

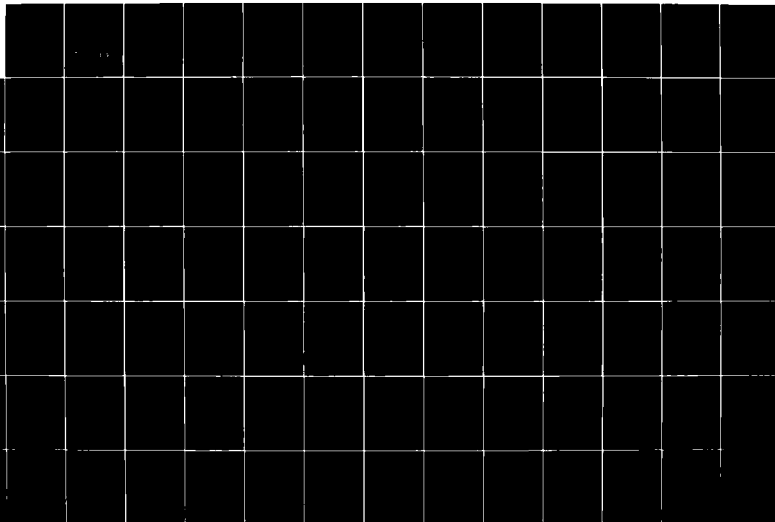
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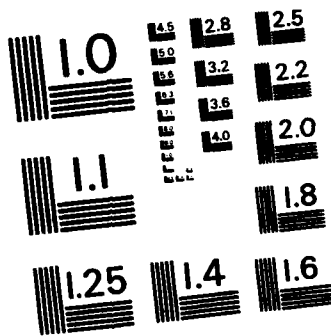
SCHWABISCH HALL WEST GERMANY LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA. (U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
25 JAN 84 USAFETAC/DS-84/004 F/O 4/2

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**"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"**

SCHWABISCH HALL DL M30 #107450
N 49 07 E 009 47 ELEV 1311 FT EDCI

PARTS A-F HOURS SUMMARIZED: 0500Z - 2000Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JUN 73 - MAY 83
SUMMARY OF DAY DATA: NONE

TIME CONVERSION GMT TO LST: +1

25 JAN 1984

DISSEMINATION STATEMENT A
Approved for public release
Distribution Unlimited

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This technical report has been reviewed and is approved for publication.

Wayne E McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burmann

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 84/004	2. GOVT ACCESSION NO. AD A140242	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - SCHWAEBISCH HALL, GERMANY (WEST)		5. TYPE OF REPORT & PERIOD COVERED Final Rept
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE JAN 84
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*LISOCs	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for Schwaebisch Hall, Germany (West).		

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*GERMANY (WEST) *WEST GERMANY *GERMANY *SCHWABISCH HALL *DL107450
*SCHWAEBISCH HALL

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

USAFETAC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES (LISOCs)
HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at established hourly intervals.

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT
DATA AVAILABLE*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER DATA NOT AVAILABLE

*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,
AND DEW POINT TEMPERATURES)

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 local standard time (LST).

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		RND NUMBER	
107450		SCHWABEBISCH HALL AAF GERMANY		N 49 07		E 009 47		1311		EDOP		10745	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARD.					
1	Schwabebisch Hall Germany	AAF	Mar 62	Mar 63	N 49 07	E 009 47	1305	N/A	13				
2	Same	Same	Apr 63	May 67	Same	Same	1318	1371 ft	14				
3	Same	Same	Jun 67	Mar 70	Same	Same	1315	Same	14				
4	Same	Same	Apr 70	Mar 71	Same	Same	1305	Same	17				
5	Same	Same	Apr 71	Feb 79	Same	Same	Same	1377 ft	17				
6	Same	Same	Mar 79	Dec 83	Same	Same	1311	1379 ft	17				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Mar 62	Located atop the tower.	GMQ-11	N/A	80 ft								
2	Mar 63	Located on top of control tower.	Same	Same	92 ft								
3	Apr 64	Same	Same	Same	82 ft								
4	Jun 67	Same	Same	Same	94 ft								
5	Apr 70	Located atop ROS	Same	Same	75 ft								
6	Apr 71	Same	GMQ-20	RO-362	13 ft								
7	Feb 79	Same	Same	Same	Same								
8	Dec 83	Same	Same	Same	Same								

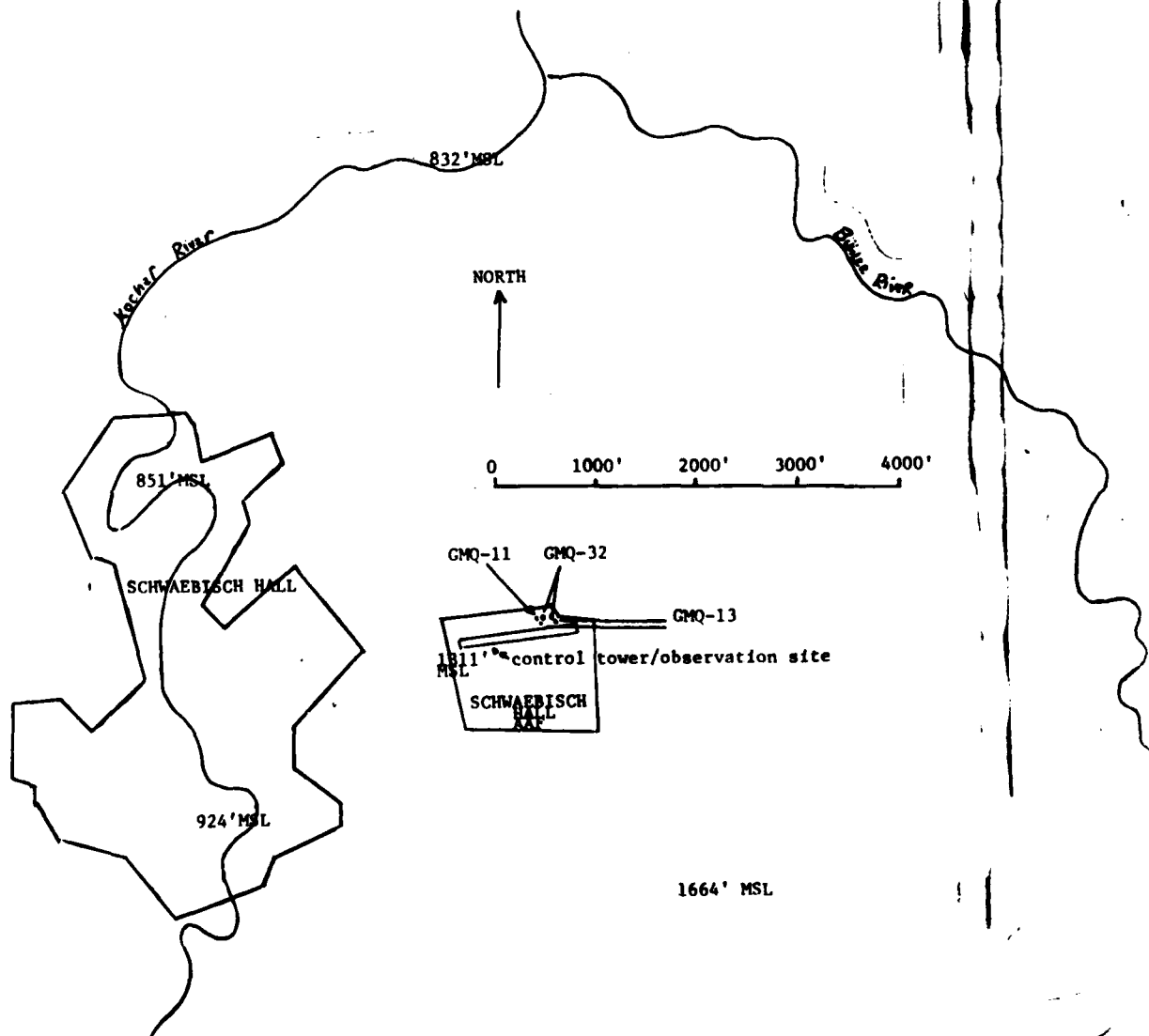
USAFETAC

FORM NOV 73

0-19 (OL A)

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CONTINUED ON REVERSE SIDE



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1-7450 SCHEA BISCH HALL AAF DL 74-82 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
J	00-02												
	03-05												
	06-08	.2	14.2	.8	15.7		28.6	43.1	.5			43.6	612
	09-11		16.2	.8	14.9		30.0	34.3	3.7			37.9	630
	12-14		16.5	.3	14.2		29.7	24.1	9.7			33.7	632
	15-17		17.1	.5	11.7		28.3	21.3	9.9			31.2	625
	18-20		16.6	.7	12.5		28.0	39.4	6.2			45.6	561
	21-23		11.4	1.0	13.3		25.7	50.5	4.8			55.2	105
TOTALS		.2	15.3	.7	13.7		28.4	35.5	5.8			41.2	3165

OFFICE OF METEOROLOGY BRANCH
AFETAC
AF WEATHER SERVICE/AFAC

WEATHER CONDITIONS

1 400 00 AEBIRCH HALL AAF DL 74-87 YEARS 00 MONTH
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	0-0												
	03-0												
	6-0		12.0	.5	12.9		25.0	46.5	2.5			49.0	565
	9-11		9.4	.2	14.6		23.1	37.3	7.5			44.7	577
	12-14		9.4	.5	14.8	.2	21.6	21.3	16.1			37.3	573
	15-17		11.9		9.5		19.5	19.4	16.2			35.6	568
	18-2		8.9		11.0		16.6	33.9	9.3			43.2	537
	1-23		8.8	1.0	12.7		22.5	39.2	1.0			40.0	102
TOTALS			10.1	.4	12.6	.0	21.7	32.9	8.8			41.7	2922

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 A WEATHER SERVICE/AC

WEATHER CONDITIONS

1 4 74 SCHAEBSCH HALL AAF DL 74-ET MAE
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MA	00-0												
	01-0												
	06-0		23.6		7.2		27.4	36.7	.9			37.6	643
	09-11		17.1		6.9		23.5	22.9	10.6			33.5	663
	12-14		11.6		5.0		16.3	15.9	14.2			25.0	663
	15-17	.6	13.3		3.9		16.3	7.7	10.6			16.3	649
	18-2	.3	15.4	.2	2.9		18.0	16.0	9.9			25.9	617
	1-23		16.9		.8		17.7	24.2	5.6			29.8	124
TOTALS		.2	10.3	.0	4.8		19.9	19.7	8.6			28.4	3359

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/AL

WEATHER CONDITIONS

1 74-67 SCHAEFELSHALL AAF DL 74-67 74-67
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AP	00-01												
	2-05												
	06-08		13.9		5.5		17.4	32.6	7.1			39.8	616
	9-11		13.1		5.6		16.6	11.3	10.7			22.0	627
	12-14		13.7		4.9	.2	16.7	2.9	7.5			10.4	627
	15-17	.7	15.3		2.9		16.9	1.5	4.9			6.4	614
	18-20	1.0	17.3		1.2		17.3	4.4	5.8			11.2	588
	21-23	.9	20.5		2.7		21.4	10.7	10.7			21.4	112
TOTALS		.4	15.6		3.8	.0	17.7	10.6	7.8			18.4	3184

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ AC

WEATHER CONDITIONS

1 7457 SCHRAEBISCH HALL AAF DL 74-83 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	01-02												
	03-05												
	06-08	.3	17.7		.3		17.9	26.5	2.3			28.9	603
	09-11	.5	15.2		.2		15.2	7.1	4.8			12.0	619
	12-14	.5	14.9		.5		15.4	2.6	4.4			7.0	618
	15-17	2.9	15.3		.2		15.5	1.5	3.4			4.9	594
	18-20	1.5	12.6				12.6	4.0	1.5			5.5	549
	21-23	1.9	17.9				17.9	6.6	1.9			8.5	106
TOTALS		1.3	15.6		.2		15.8	8.1	3.1			11.1	3089

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/PAC

WEATHER CONDITIONS

1450 STATION SCHAEBIJCH ALL AAF DL 73-82 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	0-02												
	3-05												
	6-08	.8	12.1				12.1	28.5	4.9			33.4	611
	9-11	.3	8.3				8.3	8.2	9.1			17.3	624
	12-14	1.9	9.9			.2	10.1	1.6	6.4			8.0	624
	15-17	2.9	11.2				11.2	1.3	4.1			5.4	615
	18-20	3.2	12.7				12.7	3.5	2.6			6.2	567
	21-23	2.2	14.6				14.6	10.1	2.2			12.4	89
TOTALS		1.9	11.5			.0	11.5	8.9	4.9			13.8	3130

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

WEATHER CONDITIONS

1 1450 504 AEBI CH HALL AAF DL 73-87 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	0-3												
	04-07												
	08-11	.3	13.0				13.0	28.3	4.0			32.3	625
	12-15	.3	14.1				14.1	6.5	8.7			15.2	632
	16-19	1.3	12.8				12.8	3.3	3.6			7.0	632
	20-23	2.9	10.0			.2	10.0	3.1	3.1			6.1	620
	24-27	1.0	8.8				8.8	2.9	3.4			6.2	592
	28-31	1.0	8.3				8.3	7.3	4.2			11.5	96
TOTALS		1.1	11.3			.0	11.3	8.6	4.5			13.1	3197

CENTRAL CLIMATOLOGY BRANCH
 WAFETA
 AIR FATHER SERVICE/MAC

WEATHER CONDITIONS

1 7457 SCHAEFISCH HALL AAF DL 73-82 AUG
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-05												
	06-05												
	06-08	.2	10.9				10.9	41.9	3.2			45.1	658
	09-11	.2	8.5				8.5	14.5	13.6			26.1	662
	12-14	.5	7.5				7.5	4.2	10.7			14.9	663
	15-17	2.4	9.4			.2	9.6	1.8	11.5			13.4	659
	18-2	2.5	7.6				7.6	4.9	13.1			18.0	634
	1-23	1.9	8.4				8.4	15.9	10.3			26.2	107
TOTALS		1.3	8.7			.0	8.8	13.9	10.4			24.3	3383

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAL

WEATHER CONDITIONS

17457
STATION

SCHWABEBISCH HALL AAF DL
STATION NAME

73-82

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
LP	00-01												
	02-03												
	04-05												
	06-07	.2	9.7				9.7	55.5	2.2			57.8	578
	08-09	.5	9.5				9.5	29.6	13.8			43.4	624
	10-11	.3	7.9				7.9	5.9	16.0			22.0	624
	12-13	.7	8.7				8.7	2.4	10.9			13.3	578
	14-15	.8	11.5				11.5	10.3	16.0			26.3	494
	16-17		9.5				9.5	31.7	25.4			57.1	63
	18-19												
	20-21												
	22-23												
TOTALS		.4	9.5				9.5	22.6	14.1			36.7	2961

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/AFAC

WEATHER CONDITIONS

1 1950
 STATION

SCHAEFELT HALL AAF DL
 STATION NAME

73-87

YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	0-02												
	3-05												
	06-08		16.8		.6		17.4	52.4	.9			53.3	643
	09-11		17.0		.6		18.5	35.6	6.8			42.4	648
	12-14		16.7		.5		17.8	16.4	9.1			25.5	648
	15-17	.2	14.3		.3		14.3	13.7	12.1			25.8	644
	18-2	.3	16.5		.6		16.7	33.2	7.4			40.5	624
	01-23	.9	14.7				14.7	41.3	8.3			49.5	109
TOTALS		.2	16.2		.4		16.4	32.1	7.4			39.5	3316

GENERAL CLIMATOLOGY BRANCH
USAF TAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 7457 SCHAEBISCH HALL AAF DL 73-82 NGV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-01												
	02-03												
	04-05		16.3	.2	10.9		26.5	39.1				39.1	558
	06-07		16.7	.2	12.2		28.2	30.3	1.8			32.1	564
	08-09	.2	16.8	.2	8.3		23.3	20.7	6.9			27.6	566
	10-11	.2	13.7		7.2		19.5	22.4	7.4	.2		30.0	554
	12-13		12.6	.6	7.5	.2	19.7	36.8	3.4			40.2	532
	14-15		14.4		8.7		21.2	42.3	2.9			45.2	104
	16-17												
	18-19												
	20-21												
	22-23												
TOTALS		.1	15.1	.2	9.1	.0	23.1	31.9	3.7	.0		35.7	2878

GLOBAL CLIMATOLOGY BRANCH
LA ETAC
AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

1 7450 SCHAEBISCH HALL AAF DL 73-82 DEC
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
D C	0-02												
	03-05												
	06-08	.2	15.2	.9	12.8		28.4	36.1	1.3			37.4	545
	09-11		13.4	1.3	12.3		30.7	28.4	1.6			30.2	609
	12-14		20.6	.7	9.8		30.5	23.1	4.3			27.4	603
	15-17	.2	18.6	.5	11.1		29.7	23.6	4.2			27.8	569
	18-20		13.8		16.7		32.9	31.6	1.6			33.4	377
	21-23		15.8	1.3	14.5		28.9	31.6	1.3			32.9	76
TOTALS		.1	17.9	.8	12.9		30.2	29.1	2.4			31.5	2779

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

WEATHER CONDITIONS

1 7450 SCHAEFELSHALL AAF IL 73-83 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	15.3	.7	13.7		28.4	35.5	5.8			41.2	3165
FEB			15.1	.4	12.6	.0	21.7	32.9	8.8			41.7	2922
MAR		.2	16.3	.1	4.8		19.9	19.7	8.6			29.4	3359
APR		.4	15.6		3.8	.0	17.7	10.6	7.8			19.4	3184
MAY		1.3	15.6		.2		15.8	8.1	3.1			11.1	7189
JUN		1.9	11.5			.0	11.5	6.9	4.9			13.8	3130
JUL		1.1	11.3			.0	11.3	8.6	4.5			13.1	3197
AUG		1.3	8.7			.0	8.8	13.9	10.4			24.3	3363
SEP		.4	9.5				9.5	22.6	14.1			36.7	2961
OCT		.2	10.2		.4		16.4	32.1	7.4			39.5	3316
NOV		.1	15.1	.2	9.1	.0	23.1	31.9	3.7	.0		35.7	2878
DEC		.1	17.9	.8	12.9		30.2	29.1	2.4			31.5	2779
TOTALS		.6	13.6	.2	4.8	.0	17.9	21.2	6.8	.0		28.0	37363

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

DATA NOT AVAILABLE

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1420 SCHWABISCH HALL AAF DL STATION NAME 74-83 YEARS JAN
DATE 0600-0800
MOON (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2									.5	4.7
NNE													
NE	.2	1.0	.5									1.6	5.9
ENE	1.0	1.3	1.0									3.3	5.3
E	4.6	3.6	2.1									10.3	4.4
ESE	2.5	2.5	.8	.3								6.0	4.8
SE	1.5	.7	.2									2.3	3.4
SSE	.3		.2									.5	3.7
S	.5	.3	.3									1.1	4.6
SSW	.7	2.1	1.6	.2								4.6	5.7
SW	2.0	2.5	2.5									6.9	5.5
WSW	2.3	6.4	3.3	1.5								14.4	6.1
W	1.5	2.1	4.2	5.1	2.3	1.1	.5					16.3	12.2
WNW	1.1	.7	1.0	1.3	.5							4.6	9.1
NW	.3	.3	.2									.8	4.8
NNW	.7	.3	.3									1.3	4.4
VARBL			.8	1.1	.3							2.3	12.6
CALM												23.2	
	20.1	23.7	19.1	9.5	2.8	1.1	.5					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1450 SCHWAEBISCH HALL AAF DL 74-83 JAN
STATION MONTH
ALL WEATHER 0900-1100
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.5	2.3
NNE		.0	.3									.5	6.7
NE	.3	.0	.2									1.3	4.5
ENE	.0	.5	.8	.3								2.4	5.7
E	5.4	3.8	1.3	.6								11.1	4.5
ESE	1.0	4.0	1.4	.6								7.9	5.3
SE	1.1	.0	.6	.2								2.7	4.8
SSE	.3	.5										.8	3.8
S	1.0	.6	.5	.2								2.2	5.6
SSW	1.1	2.1	1.0	.2								4.3	5.3
SW	0.1	4.0	3.2	.6								9.8	6.0
WSW	2.4	4.6	4.4	2.2	.3							14.0	7.2
W	.0	1.3	4.8	5.1	2.1	.8	.2					14.8	12.4
WNW		1.1	1.0	1.6	.2							3.8	10.8
NW		.0		.2								.8	6.8
NNW		.0	.2									1.0	5.5
VARBL			1.0	.5		.2						2.4	10.6
CALM												19.8	
	17.5	25.6	21.3	12.2	2.5	1.0	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 630

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1450 SCHAEFELICH HALL AAF DL STATION NAME 74-83 YEARS MONTH JAN
CLASS ALL WEATHER 1200-1400
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.3										1.3	4.5
NE	.3	.3	.2									1.3	4.6
ENE	.3	1.1	1.6									3.3	6.2
E	4.3	3.7	1.6	.5								9.7	9.8
ESE	1.2	2.5	2.5	.8								7.8	6.2
SE	.3	1.7	.3									2.4	5.2
SSE	.3	.2										.3	3.3
S	.3	.3	.5									1.3	5.3
SSW	.3	1.7	1.9	.2								4.4	6.6
SW	1.9	2.8	3.7	.5								6.2	5.9
WSW	2.5	2.5	6.0	3.8	.2	.2						15.2	8.3
W	.5	1.3	4.3	4.6	1.9	.9	.2					13.9	12.4
WNW	.6	1.9	3.0	1.1	.3							7.6	8.2
NW	1.1	.5	.2									1.7	3.6
NNW	1.1	.5	.2									1.7	3.6
VARBL			1.6	2.2	.5							4.3	12.0
CALM												16.1	
	17.6	21.2	27.4	13.6	2.8	1.1	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 632

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 45.1 SCHWAEBISCH HALL AAF DL 74-83 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHERED 1500-1700
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2										.5	2.3
NNE	.5		.2									.6	3.0
NE	.5	1.1	.8									2.4	5.2
ENE	1.1	2.1	1.1									4.3	5.1
E	.1	3.2	1.9	.5								10.7	4.5
ESE	1.3	3.1	1.8	.2								6.2	5.7
SE	.8	2.6	1.0									4.3	5.1
SSE	.8	.5										1.3	3.3
S	.5	.3	.2									1.1	3.6
SSW	1.3	1.8	1.0									4.0	4.9
SW	.5	2.7	3.0	.6								6.9	7.0
WSW	1.5	4.3	3.4	1.9	.2							11.4	7.4
W	.8	3.7	6.4	6.4	2.6	.8						20.0	11.2
WNW	1.1	.5	1.1	.5								3.2	6.4
NW	1.3	.5	.2									1.9	3.9
NNW	1.5	.5										2.1	3.4
VARBL			1.3	1.9	.3	.2						3.7	12.4
CALM												15.4	
	15.9	26.6	23.2	12.0	3.0	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17452 STATION NAME SCHLAEBIGCH HALL AAF DL YEARS 74-83 MONTH JAN
CLASS ALL WEATHER 1800-2000
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4										.9	2.8
NNE	.5		.5									1.1	5.0
NE	.5	.5	.2									1.6	4.7
ENE	2.1	2.1	.4									4.6	3.7
E	3.4	4.1	1.8	.7	.2							10.2	5.3
ESE	1.6	2.3	1.2									5.2	5.2
SE	1.1	.5	.9									2.5	5.1
SSE		.5	.7									1.2	6.4
S	.4	.2	.2									1.4	4.1
SSW	.7	3.4	1.4									5.5	5.5
SW	2.3	2.1	1.8	.5								6.8	5.9
WSW	1.1	4.3	5.2	2.1	.7							13.4	8.3
W	.4	3.7	4.6	4.5	2.3	.9						15.7	11.6
WNW	.9	.5	.9	1.1								3.4	7.4
NW	.2											.2	3.0
NNW	.2											.2	3.0
VARBL			1.1	1.2	.4							2.7	12.0
CALM												23.5	
	15.9	25.1	20.9	10.2	3.6	.9						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 561

CLIPAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7459 SCHWABISCH HALL AAF DL 77-83 JAN 2100-2300
STATION STATION NAME YEARS MONTHS
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7											1.9	1.5
NNE		1.0										1.2	4.0
NE	1.9	1.0										2.9	2.7
ENE	1.9	4.8	1.0									7.6	4.0
E	3.8	4.8	1.0	1.0								10.5	4.9
ESE	2.9	2.9										5.7	3.8
SE	1.0		1.9									2.9	6.0
SSE		1.7										1.0	4.0
S	1.0		1.0									1.9	5.5
SSW	1.7	1.9	1.9	1.0								5.7	6.8
SW		1.9	1.9	1.0								4.8	8.2
WSW	1.9	4.8	4.8	1.0								12.4	6.2
W	1.9	1.9	3.8	3.8	1.0							12.4	9.8
WNW				1.9	1.0							2.9	15.0
NW													
NNW			1.0									1.0	7.0
VARBL				1.0	1.0							1.9	16.5
CALM												23.8	
	19.7	25.7	18.1	10.5	2.9							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 105

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWABISCH HALL AAF DL 74-83 JAN 1983
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.1	.2									.5	2.8
NNE	.3	.1	.2									.5	4.7
NE	.4	.9	.3									1.7	4.9
ENE	1.1	1.5	1.7	.1								3.7	5.0
E	4.5	3.6	1.7	.5	.0							10.4	4.7
ESE	1.2	2.9	1.5	.4								6.6	5.4
SE	.9	1.2	.6	.0								2.8	4.8
SSE	.3	.3	.2									.9	4.3
S	.7	.5	.3	.0								1.5	4.8
SSW	.9	2.2	1.4	.1								4.6	5.7
SW	1.7	2.8	2.7	.5								7.6	6.1
WSW	2.2	4.4	4.5	2.3	.3	.2						13.6	7.4
W	.9	2.1	4.8	5.1	2.1	.9	.2					16.0	11.9
WNW	.7	.9	1.5	1.1	.2							4.5	8.6
NW	.5	.4	.1	.0								1.1	4.4
NNW	.7	.4	.2									1.3	4.1
VARBL			1.3	1.4	.3	.1						3.0	12.1
CALM												19.7	
	19.0	24.5	22.3	11.5	2.9	1.0	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 3165

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW LEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 SCHWAEBISCH HALL AAF DL 74-83 FEB
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
0600-0800
HOURS (LST.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5											.5	2.7
NNE	1.1	.4	.2									1.6	3.2
NE	.5	.9	1.8									3.2	6.5
ENE	1.4	2.7	2.3	.2								6.5	5.6
E	5.2	6.7	3.7	1.8								18.4	5.5
ESE	2.1	2.7	.7	.2								5.7	4.5
SE	.2	.2										1.1	4.3
SSE	.2											.2	2.0
S			.4									.4	9.5
SSW	.5	1.8	.7	.2								3.2	5.5
SW	.9	2.8	1.9	.7								6.4	6.6
WSW	.5	1.2	4.1	1.4	.2							7.4	8.3
W	.2	2.3	2.3	1.2								6.0	8.0
WNW	.7	.9	1.2	.2								3.0	5.8
NW	.5		.2									.7	3.3
NNW	.4	.2										.5	3.7
VARBL			.5	.2	.4							1.1	14.0
CALM												34.2	
	15.9	23.4	20.0	6.0	.5							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 565

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 1950 STATION NAME SCHAEFISCH HALL AAF DL YEARS 74-83 FEB MONTH
ALL WEATHER CLIM
CONDITION
8900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	.3										1.2	2.9
NNE	.2	.3										1.4	3.1
NE	1.4	1.9	1.9									5.2	5.6
ENE	1.4	2.1	1.9	.2								5.5	5.8
E	5.7	5.9	6.1	1.9	.2							19.8	6.1
ESE	1.9	3.3	2.9	.9								9.0	6.2
SE		1.6	.3									1.9	5.6
SSE		.7										.7	4.8
S	.7	.2	.3									.9	5.6
SSW	.2	2.3	1.2	.2								3.8	6.5
SW	.5	1.7	1.9	.7								4.9	6.9
WSW	.9	1.7	4.5	1.7	.3							9.2	6.6
W	.7	1.9	3.3	1.0	.5	.2						7.6	8.8
WNW	.5	.3	.7	.3	.5							2.4	9.7
NW	.2			.2								.3	7.5
NNW	.5	.2	.3									1.0	5.0
VARBL			1.4	.9								2.3	10.2
CALM												22.9	
	15.9	24.6	26.9	8.0	1.6	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 577

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWAEBISCH HALL AAF DL 74-83 YEARS FFR
STATION STATION NAME MONTHS
ALL WEATHER
CLASS
CONDITION
1200-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.3	.2									2.3	2.8
NNE	1.7	1.0	.2									3.0	3.2
NE	1.0	2.4	1.6									5.1	5.4
ENE	1.9	2.8	1.6	.3								6.6	5.2
E	3.1	5.7	7.2	2.1								21.1	6.5
ESE	1.4	3.0	1.6	1.0								7.0	6.7
SE	.5	.5	.9									1.9	5.7
SSE	.5	.7	.9									2.1	5.4
S		.2	.2									.3	5.5
SSW	.5	1.2	.9									2.6	5.5
SW	1.0	2.1	1.9	1.0	.2							6.3	7.3
WSW	1.0	1.4	3.3	2.3	.3							8.4	9.1
W	.3	1.0	3.7	3.0	.3							9.2	9.6
WNW	.5	.7	2.3	.5								4.0	7.7
NW	.7	.7	.2									1.6	3.7
NNW	1.0	.3										1.4	2.6
VARBL			2.8	2.1	.2							5.1	10.8
CALM												12.0	
	17.3	28.1	29.1	12.4	1.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1450 STATION SCHWAEBISCH HALL AAF DL 74-83 YEARS FEB MONTH
1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9										2.6	3.0
NNE	.7	1.0	.5									3.0	4.8
NE	1.8	2.3	2.5	.4								6.9	5.8
ENE	2.6	4.6	2.1	.5								9.9	5.2
E	2.6	6.0	6.5	.9								16.0	6.2
ESE	1.1	3.0	1.4	1.2								6.7	6.8
SE	.4	1.1	.9									2.3	5.7
SSE	.4	.7										1.1	3.5
S	.5	.9	.4	.2								1.9	5.6
SSW	.2											.2	1.0
SW	.7	1.6	1.6	.2								3.5	6.8
WSW	1.1	1.6	4.8	2.6	.4	.2						10.6	9.4
W	.9	2.5	3.2	2.6	.5							9.7	9.1
WNW	1.2	1.3	.5	.9								4.4	6.2
NW	1.1	1.1										2.1	3.6
NNW	1.4	.7										2.3	3.2
VARBL			2.5	.5								3.0	9.4
CALM												13.9	
	18.0	30.3	26.8	10.0	.9	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 1452 SCHLAEBISCH HALL AAF DL 74-83 FEE
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLIM
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2										.7	2.5
NNE	.7	1.1	.6									2.4	4.6
NE	.7	1.7	.7	.2								4.7	4.7
ENE	2.4	2.0	1.5	1.1								7.8	5.7
E	6.3	7.4	2.2	.7								16.4	4.6
ESE	1.7	3.4	.6									5.4	4.4
SE	1.1	.7	.2									2.0	3.6
SSE	.4	.4										.7	3.3
S	.7	.6	.2									1.5	3.8
SSW	1.1	.4	.9									2.4	5.1
SW	1.5	1.3	2.6	.4								5.8	6.2
WSW	1.3	1.7	1.7	1.7	.2							6.5	7.8
W	1.1	1.9	3.1	1.3	.4							7.6	7.9
WNW	.6	.4	.6	.2	.2							1.9	7.0
NW		.2										.2	6.0
NNW	.6	.2										.7	2.3
VARBL			.7	.2	.6							1.5	12.4
CALM												31.7	
	21.6	24.2	15.5	5.8	1.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 537

U. S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE / PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHAEBISCH HALL AAF DL 77-83 FEB
STATION MONTH
ALL WEATHER
CLASS
2100-2300
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.0	2.0		1.0								3.9	5.5
ENE	2.0	2.0										4.9	3.0
E	9.8	1.8	1.0									21.6	3.8
ESE	5.0	2.9	1.0									9.8	3.2
SE	1.0											1.0	3.0
SSE	1.0	1.0										2.0	4.5
S		1.0										1.0	5.0
SSW	1.0		1.0									2.0	5.0
SW			2.0									2.0	6.0
WSW	1.0	4.0	2.9	3.9								12.7	8.3
W	1.0	2.0	2.0	2.9								7.8	8.1
WNW													
NW	1.0	1.0										2.0	3.5
NNW													
VARBL			2.0									2.0	9.0
CALM												27.5	
	25.5	27.5	11.8	7.8								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 102

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 74-83 STATION SCHLAEBISCH HALL AAF DL YEARS 74-83 FEE MONTHS ALL WINDS (L.S.T.)
ALL WEATHER CLAS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3	.0									1.4	2.8
NNE	1.0	.9	.3									2.2	3.9
NE	1.3	1.0	1.6	.1								5.3	5.6
ENE	2.0	2.9	1.8	.4								7.2	5.4
E	4.0	7.1	5.0	1.4	.0							18.5	5.8
ESE	1.7	3.0	1.4	.7								6.9	5.7
SE	.4	.0	.4									1.8	5.1
SSE	.0	.5	.2									1.0	4.4
S	.7	.4	.3	.0								1.0	5.3
SSW	.0	1.1	.8	.1								2.4	5.7
SW	.0	1.9	2.0	.6	.0							5.2	6.8
WSW	1.1	1.6	3.7	2.0	.3	.0						8.6	8.7
W	.7	2.1	3.0	1.9	.3	.7						8.0	8.7
WNW	.7	.9	1.0	.4	.1							3.0	7.1
NW	.5	.4	.1	.0								1.0	3.9
NNW	.5	.3	.1									1.2	3.3
VARBL			1.6	.8	.2							2.6	10.7
CALM												23.0	
	12.0	26.2	23.3	8.5	1.0	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17457 SCHAEFELICH HALL AAF DL 74-63 MAR
STATION STATION NAME YEARS
ALL WEATHER CLASS 0600-0800
CONDITION HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.5									1.2	4.1
NNE	1.2	.6	.6									2.5	4.4
NE	.2	.9	2.2	.5								4.2	6.9
ENE	.2	1.6	.8	.2								4.5	4.4
E	7.3	3.7	.8									7.2	4.0
ESE	.2	1.4	.6									3.0	4.4
SE	.2	.5										.3	4.0
SSE													
S		.3										.3	4.5
SSW	1.6	2.8	2.0	.2								6.5	5.5
SW	1.7	3.6	2.3	.3								7.9	5.8
WSW	.2	3.7	4.5	1.6	.3							11.0	7.9
W	1.1	1.7	3.6	2.6	1.1							10.1	9.4
WNW	.2	1.2	.8	.5								2.6	7.5
NW	.2		.2									.6	3.8
NNW	.2	.2	.2									.5	5.7
VARBL		.2	1.6	1.1	.3	.3						3.4	12.2
CALM												33.7	
	14.2	21.9	27.5	6.8	1.7	.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1400 STATION SCHWAEBISCH HALL AAF DL 74-83 YEARS MONTH 1900-1100 HOURS (L & T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	.2									1.4	4.3
NNE	.2	1.2	.6	.3								2.9	5.7
NE	.2	1.5	1.1	.5	.2							3.2	6.7
ENE	1.7	1.4	1.2	.5								5.3	5.9
E	.2	3.2	1.4	1.2								8.7	5.4
ESE	1.4	2.3	1.1	.2								4.8	5.0
SE	.3	.0	.3									1.5	5.4
SSE	.5	.5	.3									1.4	4.2
S		.1		.2								.5	7.0
SSW	1.7	2.3	2.0									5.9	5.5
SW	1.8	2.6	2.6	.9								7.8	5.3
WSW	1.5	3.7	4.2	2.9								11.5	8.0
W	.3	2.7	6.5	3.9	1.4							14.3	10.3
WNW	1.4	1.2	1.4	.5								4.4	6.3
NW	1.1	.2										1.2	2.5
NNW	.2	.5	.6									2.0	4.7
VARBL		.2	5.7	2.0	.8							7.8	10.6
CALM												14.6	
	17.8	23.7	28.8	12.8	2.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 663

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1400 SCHAEFER HALL AAF 21 STATION NAME 74-83 YEARS MAE
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	.6									4.2	4.3
NNE	.2	.5	.8	.3								2.9	5.6
NE	1.4	1.0	.9	.6								4.7	5.9
ENE	.7	1.2	.6	.5								3.2	6.0
E	1.3	2.3	.6	.3								5.0	5.1
ESE	.9	1.2	1.2	.6								3.2	6.5
SE	.7	.8	1.2									2.0	6.7
SSE	.7		.3									.8	4.2
S	.3	.3	.3	.2								1.1	5.9
SSW	.3	2.1	.2	.2	.3							3.5	5.9
SW	.7	1.2	1.7	1.5	.2							5.3	8.8
WSW	.7	3.7	4.4	1.8	.6							10.7	8.5
W	.1	1.7	7.4	6.3	.6	.2						16.8	10.4
WNW	1.7	1.4	2.4	.8								6.2	6.4
NW	.9	.6	.8									2.3	5.2
NNW	.1	2.6	.3									5.0	3.9
VARBL		.5	11.1	3.9	1.1							15.6	10.3
CALM												7.1	
	16.0	22.5	32.7	16.9	2.7	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 662

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1 7450 SCHWAEBISCH HALL AAF DL STATION NAME YEARS 74-83
MAC NORTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.5	.9									7.1	3.8
NNE	.7	.7	1.5	.2								3.4	6.2
NE	.7	1.9	1.2	1.2								5.2	7.1
ENE	.3	1.1	.9	.9								3.4	7.9
E	.4	1.5	.9									3.2	5.1
ESE	.7	.7	1.8	.5								3.7	7.2
SE	.7	.8	.9	.5								2.6	6.9
SSE	.5	.8	.2	.3								1.9	5.8
S	.7	.6	.5									1.7	4.8
SSW	.7	.5	1.4	.3								3.7	6.8
SW	.7	1.5	.8	1.4	.2							4.2	8.8
WSW	.9	2.1	4.3	2.5	.8							10.5	8.9
W	.5	3.2	6.2	4.0	2.2	.2						16.2	10.3
WNW	.3	2.6	2.3	.9	.2							6.2	7.4
NW	1.1	1.2	.6									3.7	4.5
NNW	1.7	3.1	.3									5.1	4.0
VARBL		.3	7.6	2.3	.3							10.5	9.7
CALM												7.7	
	14.5	26.2	33.0	14.0	3.5	.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 649

GENERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1450 SCHAEFERS HALL AAF DL YEARS 74-83
 STATION NAME
 ALL WEATHER
 CLAS
 1800-2400
 HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.8										2.4	2.9
NNE	.6	1.1	.7	.5								3.1	6.6
NE	.1	1.5	1.5	1.3								6.3	6.4
ENE	1.0	1.1	.2	1.7								3.7	6.0
E	2.0	2.1	.5									5.2	3.7
ESE	1.1	1.5	1.3									3.9	5.0
SE	.0	.8	.5									1.9	5.2
SSE	.0	1.7	.3									1.3	4.9
S	.3	.6	.6	.2								2.3	5.6
SSW	1.0	1.6	1.3	.6								4.9	6.2
SW	1.0	2.3	1.8	.6	.2							6.3	6.7
WSW	1.0	3.6	4.2	1.9	.2							11.3	7.3
W	1.0	3.4	4.1	2.4	.6							12.5	6.3
WNW	1.0	2.3	.6	.3								5.2	5.0
NW	1.0	.3										1.8	2.5
NNW	1.0	.5										1.9	2.5
VARBL			1.6	1.0								2.6	10.3
CALM												72.9	
	22.0	4.5	19.3	9.9	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 401 SCHAEFELICH HALL AAF DL 77-83
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.8	1.0
NNE			.2									.8	8.2
NE		1.5	1.6									4.0	5.6
ENE	1.2	.9	.8	.8								4.0	5.6
E	1.2		.8									4.0	3.8
ESE	1.2	.8										2.4	3.0
SE		.2										.8	4.0
SSE	.3											.8	2.2
S													
SSW		1.5	4.0									6.5	7.9
SW	4.3	2.4		1.6								8.1	5.3
WSW	1.5	6.5	4.8	1.6	.8							15.3	6.9
W	3.2	4.0	4.0	2.4	1.6							15.3	7.9
WNW	.8	.9										1.6	3.0
NW	.5											.8	3.0
NNW	.3											.8	2.0
VARBL	.8		.8	2.4								4.0	9.8
CALM												29.8	
	21.3	19.4	17.7	8.9	2.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 124

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1431 SCHEFFIELD HALL AAF OH YEARS 74-83 MONTH MAR
STATION NAME CLASS ALL WEATHER HOURS (LST) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1	.4									3.2	3.9
NNE	.7	.9	.9	.2								2.7	5.8
NE	1.1	1.5	1.4	.6	.7							4.8	6.6
ENE	1.7	1.3	.7	.6								4.2	5.9
E	.3	2.3	.8	.3								5.8	4.6
ESE	1.3	1.4	1.2	.2								3.8	5.6
SE	.7	.7	.6	.1								1.7	5.9
SSE	.4	.4	.2	.1								1.1	4.9
S	.3	.4	.3	.1								1.1	5.5
SSW	1.2	1.7	1.5	.2	.1							4.9	6.0
SW	1.3	2.2	1.8	1.7	.1							6.9	6.9
WSW	1.2	3.2	4.3	2.1	.4							11.2	6.0
W	1.2	2.4	5.5	3.8	1.2	.1						14.1	9.8
WNW	1.1	1.7	1.5	.6	.7							4.8	6.4
NW	1.7	.5	.3									1.9	4.0
NNW	1.3	1.3	.3									2.8	3.9
VARBL	.7	.2	5.1	2.1	.5	.1						7.9	10.3
CALM												17.5	
	17.5	23.6	26.8	12.2	2.3	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 335A

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7400 SCHWAEBISCH HALL AAF DL 74-83 APR 80
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
600-0800
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.6									1.5	4.7
NNE		1.3	.3									1.6	5.6
NE	.5	.8	1.6	.2								3.1	7.1
ENE	2.5	1.6	.6	.5								5.5	4.6
E	6.7	3.2	.8									10.7	3.4
ESE	.6	.6	.3									1.6	4.0
SE	.3											.5	2.0
SSE													
S	.2											.2	2.0
SSW	1.1	.5	1.3									3.1	5.2
SW	1.5	2.6	1.8	.3								6.2	5.8
WSW	1.4	5.4	2.6	.8								10.7	6.1
W	2.1	3.1	4.9	1.3	.2	.2						11.7	7.3
WNW	.9	1.3	2.1									3.9	6.0
NW	.6	.8										1.5	3.7
NNW	.6	1.1										1.8	3.6
VARBL			1.8	.6								2.4	9.9
CALM												34.1	
	20.1	22.7	18.8	3.7	.3	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 616

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17450 SCHAEFFER HALL AAF DL 74-83 APF
STATION NAME YEARS MONTH
CLASS ALL WEATHER 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	.5									3.8	4.1
NNE	.5	1.1	1.0	.2								3.2	5.6
NE	1.1	2.1	2.2	.6								6.1	6.8
ENE	1.3	2.0	1.4	1.7								6.5	6.4
E	4.0	4.6	1.9	.6								12.1	4.8
ESE	1.0	1.3	1.0	.5								4.6	6.8
SE		.7	.5	.5								1.1	9.6
SSE	.7			.2								.3	7.0
S	.7		.2									.3	4.0
SSW	1.1	1.1	1.7									3.2	5.3
SW	.7	.3	2.1	.5	.2							3.5	6.3
WSW	1.0	1.8	5.1	2.1								10.5	7.9
W	2.1	2.4	6.1	2.6		.3	.2					13.6	8.5
WNW	1.0	2.2	2.1	1.4								6.7	7.3
NW	.4	2.7	.6									4.1	4.8
NNW	1.4	1.8	.5									3.7	4.2
VARBL			6.1	1.3								7.3	9.0
CALM												9.4	
	14.5	26.2	33.0	11.3	.2	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7452 SCHAEBISCH HALL AAF DL 74-83 APR
STATION MONTH
ALL WEATHER CLASS 1200-1400
CONDITON HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.2	1.1									6.7	4.1
NNE	.5	3.3	1.3	.2								5.3	5.8
NE	.3	1.4	1.4	.3								3.5	7.2
ENE	1.1	3.3	1.9	1.1								7.5	6.7
E	1.2	3.3	1.9	.2								7.3	5.4
ESE	.5	1.8	1.4	.6								4.5	6.9
SE	.2	.6	.8	.2								2.1	6.5
SSE	.5	.2	.3									1.1	4.6
S		.2	.3									.5	7.7
SSW	.2	.2	.6									1.6	6.0
SW	.3	.8	1.3	1.7								3.3	8.2
WSW	1.7	1.4	1.8	1.3	.3							5.7	8.4
W	1.1	1.2	5.6	5.9	.3	.2						14.8	9.9
WNW	1.0	4.7	2.2	.8								8.0	6.5
NW	1.1	2.6	.8									4.5	4.8
NNW	2.4	2.4	.6	.2								5.6	4.2
VARBL		1.1	10.5	2.6	.2							14.2	9.1
CALM												3.8	
	15.9	31.1	34.0	14.2	.8	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17490 SCHAEFELICH HALL AAF DL 74-83 APR
STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
1500-1700
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.4	1.1	.2								6.4	4.5
NNE	1.1	2.0	2.9	.7								6.4	6.5
NE	1.7	2.2	2.2	.5								7.2	6.5
ENE	.7	2.1	2.1	.3								5.2	6.7
E	1.3	2.4	2.0									5.7	5.5
ESE	.3	1.3	2.3	.3								4.2	7.1
SE	.5	1.3	1.5									3.6	5.4
SSE	.5	.7	.3									1.5	4.7
S	.5	.5	.3									1.3	4.4
SSW	.7	1.7	.8	.2								2.6	5.4
SW	.7	.7	.2	.5								2.0	6.5
WSW	.9	.7	3.9	1.5	.3							7.2	9.0
W	1.0	2.1	4.2	3.3	1.1							11.7	9.7
WNW	1.7	2.4	3.1	1.0								7.5	7.1
NW	1.1	2.2	1.3	.8								5.2	6.5
NNW	2.1	3.4	1.0									6.5	4.5
VARBL			9.8	2.3	.7							11.7	9.9
CALM												4.2	
	15.1	27.9	38.6	11.1	2.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 614

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 7400 STATION SCHWAEBISCH HALL AAF DL 74-83 APR 1900-2600
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	.2									3.1	3.7
NNE	1.7	2.4	1.2									5.3	4.6
NE	3.0	3.7	2.0	1.2								9.0	5.9
ENE	1.7	1.7	.7	.3								4.4	5.0
E	1.7	1.5	1.4									4.6	4.9
ESE	1.7	1.7	1.2									4.6	4.8
SE	1.2	1.5	.2									2.9	3.6
SSE	1.0	.3	.2									1.5	3.9
S	.7	.5	.3									1.5	4.3
SSW	1.0	.7										1.7	3.2
SW	.5	.7	1.1	.7								2.9	7.1
WSW	1.0	2.4	2.4	1.5								7.3	7.2
W	1.7	3.2	4.3	1.9	.5							10.9	7.9
WNW	2.0	3.2	2.6	.7								6.5	5.8
NW	1.5	.5	.3	.2								2.6	4.2
NNW	2.6	2.0	.5									5.1	4.0
VARBL			2.6	1.0	.3							3.9	10.4
CALM												70.1	
	23.7	27.6	21.0	7.5	.9							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1450 STATION NAME SCHAEFELICH HALL AAF DL YEARS 77-83 MONTH APR
 CLASS ALL WEATHER HOURS (LST) 2100-2300
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.7	2.7	.9									4.5	5.2
ENE	1.7	.9	1.7									4.5	5.2
E	2.7	1.8										4.5	3.0
ESE	1.3											1.3	2.5
SE	1.7	.9										2.7	3.0
SSE		.7										.9	4.0
S		.7										.9	5.0
SSW	.7	1.8										2.7	4.3
SW	.9	4.5	.9	.9								7.1	6.4
WSW	4.5	3.6	2.7	.9								11.6	5.0
W	2.7	3.6	4.5	1.8								12.5	6.6
WNW	.9	.9	1.8	.9								4.5	7.8
NW	.7	.9		.9								2.7	6.3
NNW	2.7											2.7	2.3
VARBL			1.8	.9								2.7	10.7
CALM												33.9	
	22.3	3.2	14.3	6.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 112

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 450 SCHAEFELT HALL AAF DL 74-83

STATION NAME YEARS

ALL WEATHER CLASS

APD MONTH

ALL MONTH (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.7	.0								4.1	4.2
NNE	.0	1.7	1.3	.1								4.1	5.7
NE	1.0	2.2	2.0	.9								5.7	6.5
ENE	1.0	2.3	1.4	.6								5.8	5.9
E	.3	3.0	1.5	.2								6.0	4.6
ESE	.0	1.3	1.4	.3								3.8	6.1
SE	.0	.7	.6	.1								2.0	5.3
SSE	.4	.3	.2	.0								.9	4.5
S	.3	.3	.2									.8	4.7
SSW	.0	.9	.7	.0								2.5	5.1
SW	.7	1.1	1.3	.6	.0							3.7	7.0
WSW	1.4	2.4	3.1	1.4	.2							6.4	7.5
W	1.5	2.5	5.0	3.0	.4	.1	.0					12.6	8.7
WNW	1.1	2.6	2.4	.8								6.8	6.6
NW	1.0	1.7	.6	.2								3.6	5.2
NNW	1.9	2.1	.5	.0								4.5	4.1
VARBL		.2	5.0	1.5	.2							7.8	9.5
CALM												14.9	
	19.0	27.0	23.7	9.5	.8	.1	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 3183

1
 NATIONAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 450 100-4601-01 HALL AAF DL 74-83 MAY 1974
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 6600-0800 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2										1.5	2.1
NNE	.2	.2	.2									.5	6.0
NE	.2	.2	.2	.3								2.2	6.8
ENE	.2	1.7	3.2	.5								7.5	6.3
E	7.3	5.7	1.7	.5								14.4	4.0
ESE	1.7	1.5	.3	.2								3.8	4.0
SE	.2											.2	2.5
SSE	.2											.3	2.5
S	1.2											1.0	2.3
SSW	.2	2.2	.5									3.2	4.8
SW	1.2	3.2	1.2									5.6	4.7
WSW	.2	4.1	2.2	.2								9.2	5.6
W	.3	3.3	4.1	1.2								10.9	6.5
WNW	.2	2.5	.5									4.0	4.5
NW	.2											.7	2.0
NNW	.3	.2										.5	2.3
VARBL			1.3	.2	.2							2.3	10.6
CALM												31.7	
	24.4	24.5	15.6	3.6	.2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 1400 00 AEBISCH HALL AAF DL 74-83 MAY
STATION STATION NAME YEARS
ALL-WEATHER CLASS
CONDITION
1900-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.1	.2									3.7	2.9
NNE	1.0	.5	.5									1.9	4.0
NE	1.0	.5	1.5	.2								3.6	6.0
ENE	1.0	2.3	2.9	1.6	.3							6.9	7.3
E	1.0	5.8	2.6	1.8	.3							12.3	7.0
ESE	.3	1.0	2.3	.6	.2							5.2	7.5
SE	.3	.2	.5									1.0	5.7
SSE	.3	.2	.3									.6	6.0
S	.3	.3	.2									1.0	4.0
SSW	1.0	.6	.6									2.3	5.1
SW	.3	1.0	1.5	.3								4.0	6.7
WSW	1.0	3.4	2.7	.3								8.4	5.9
W	.3	2.7	5.7	1.6								12.3	7.3
WNW	.3	2.4	1.0	1.0								6.6	5.9
NW	1.0	.8	.3									3.1	3.6
NNW	5.1	1.1	.2									4.4	3.1
VARBL			6.3	2.4	.2							9.9	9.7
CALM												12.0	
	22.0	25.5	29.1	9.9	1.0							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 619

CENTRAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE / AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 10451 COM. ARBITCH HALL AAF DL 74-63 YEARS DAY
STATION NAME MONTH
CLASS ALL WEATHER 1230-1400
HOUSE (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	.5									5.5	3.0
NNE	1.0	1.3	.6									3.6	4.2
NE	.0	2.6	1.5	.3								4.9	6.4
ENE	1.0	2.4	1.6	1.8	.2							7.3	7.6
E	1.0	2.0	2.9	1.3	.2							8.1	7.4
ESE	.0	1.3	1.5	.5								3.9	6.8
SE	.0	.6	.6									1.2	6.1
SSE	.0	.5	.2									1.2	5.0
S	.0	.3	.2									1.2	3.5
SSW	.0	.3	.3									1.9	4.4
SW	.0	.6	.6	.3								2.3	6.6
WSW	1.0	1.9	1.6	.6								5.7	6.2
W	1.0	4.7	5.3	3.1	.5							15.5	7.9
WNW	.3	3.7	2.8	1.1								9.9	6.2
NW	1.0	2.3	.6									4.2	4.3
NNW	2.4	3.7	.3									6.5	3.8
VARBL			7.6	2.9	.3							10.8	10.2
CALM												6.6	
	1.7	31.7	8.8	12.0	1.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 740 STATION SCHAEFELICH HALL AAF DL 74-63 MAY
STATION NAME YEARS
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.2										6.9	3.2
NNE	1.7	1.2	.8	.5								4.9	5.2
NE	.7	2.7	1.0	.2								4.5	5.9
ENE	1.5	2.4	1.9	1.5								7.2	7.2
E	1.2	4.5	3.7	1.0								9.9	6.8
ESE	.	2.2	1.7	.3								5.1	6.2
SE		.2	.3									1.0	7.2
SSE		.	.5	.2								.8	8.8
S	1.2	.7	.2									2.0	3.5
SSW	.	1.2	.2									1.9	4.5
SW	1.5	.5	.7									2.2	4.8
WSW	1.5	2.7	1.9	1.9								8.1	6.9
W	1.5	3.0	6.4	3.5								15.3	7.9
WNW	1.7	4.2	3.7	.7								9.3	6.3
NW	2.3	.5	.3	.2								3.4	4.1
NNW	2.5	3.2	.3									6.1	4.0
VARBL			2.0	1.9	.5							5.2	11.0
CALM												6.2	
	2.2	33.7	6.3	11.0	.5							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 594

U.S. AIR FORCE CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1400 SCHWAEBISCH HALL AAF EL STATION NAME 74-63 YEARS MAY
CLASS ALL WEATHER MONTH 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.7										3.0	2.6
NNE	2.2	.7										3.1	3.2
NE	1.1	1.1	1.3	.9								7.1	5.8
ENE	2.0	1.3	2.7	1.3								5.4	6.2
E	4.0	1.3	1.1									6.7	3.9
ESE	2.4	1.7	.5	.4								5.1	4.4
SE	.7	.5	.2									1.3	4.0
SSE	.2	.4										.5	3.3
S	.7		.2	.2								1.3	4.1
SSW	1.1	.5										1.6	3.3
SW	2.4	2.6										4.7	3.5
WSW	1.1	1.3	2.4	.7								6.0	6.8
W	1.3	4.0	2.6	.2	.2							8.2	6.2
WNW	2.7	4.9	3.5	.2								11.3	5.6
NW	1.3	.7										2.0	3.1
NNW	.2	.7										2.9	2.8
VARBL			.9	1.1								2.0	11.2
CALM												23.5	
	27.7	26.4	15.3	4.9	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 400 SCHAEFELICH HALL AAF DL 77-83
STATION MONTH YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.9										1.9	3.0
NNE			.9									.9	7.0
NE	1.9	.9	.9									3.8	4.5
ENE		1.9	1.9	.9								4.7	7.6
E	7.5	1.9	1.9	.9								12.3	4.6
ESE	.9	.9										1.9	3.0
SE	.9	.9										1.9	4.5
SSE													
S													
SSW	2.9	1.9										4.7	3.0
SW	1.9	1.9										3.8	3.3
WSW	1.9	4.7	.9	1.9								9.4	6.3
W	.9	3.8		.9								5.7	6.3
WNW	1.9	1.9	.9									4.7	4.6
NW	.9											.9	3.0
NNW													
VARBL			.9	.9								1.9	10.0
CALM												41.5	
	22.0	21.7	8.5	5.7								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 106

1
JUN 1945
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17450 STATION NAME SCHWAEBISCH HALL AAF DL YEARS 74-83 MONTH MAY
CLASS ALL WEATHER HOUR (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.3	.1									4.2	3.0
NNE	1.3	.9	.5	.1								2.7	4.4
NE	1.7	1.2	1.2	.4								4.3	6.0
ENE	1.1	2.1	2.4	1.3	.1							7.7	7.0
E	3.2	3.0	2.4	.9	.1							10.5	5.7
ESE	1.1	1.7	1.2	.4	.7							4.5	5.9
SE	.4	.3	.4									1.1	5.3
SSE	.2	.2	.2	.0								.6	5.7
S	.2	.2	.1	.7								1.2	3.5
SSW	.7	1.1	.3									2.3	4.4
SW	1.2	1.7	.7	.1								3.8	5.0
WSW	1.2	2.0	2.1	.8								7.6	6.1
W	1.7	3.7	4.7	1.9	.1							12.3	7.3
WNW	1.0	3.5	2.1	.6								8.0	5.8
NW	1.4	.7	.3	.0								2.6	3.8
NNW	.3	1.7	.2									3.9	3.6
VARBL			3.2	1.8	.2							5.8	10.2
CALM												16.7	
	23.6	28.2	22.7	8.4	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 3089

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 7457 SCHAEBISCH HALL AAF DL 73-82 105
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1										2.1	3.3
NNE	1.5	.5										2.0	2.4
NE	.3	.7	.3									1.3	4.8
ENE	2.5	1.3	.2									3.9	3.0
E	6.7	1.1	1.3									9.2	3.1
ESE	.0	.3										2.3	2.6
SE	.0	.2										.7	3.3
SSE													
S	.3	.2										.5	2.7
SSW	1.5	.7	.2									2.1	3.6
SW	3.3	3.4	1.5	.2								7.4	4.7
WSW	2.3	4.4	2.5									9.2	5.1
W	2.0	4.0	5.1	.7								12.6	6.5
WNW	1.7	1.3	2.0	.2								4.4	6.5
NW	1.7	1.1										2.1	3.6
NNW	.8	.5	.2									1.5	3.9
VARBL			1.6	.5								2.1	9.1
CALM												36.7	
	25.4	21.8	14.7	1.5								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 611

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 1450 STATION SCHWAEBISCH HALL AAF DL 73-82 YEARS 11/5 26078
STATION NAME CLASS 0900-1100
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.6	.2									6.9	3.2
NNE	3.0	1.3	.5									4.8	3.5
NE	1.3	1.4	.5									3.2	4.6
ENE	3.2	1.4	1.0									5.6	4.1
E	2.9	1.9	2.2									7.1	5.0
ESE	1.0	1.1	.3									2.9	4.6
SE	.3		.2									.5	5.3
SSE	.2	.3	.3									.8	5.4
S	.3	.3	.2									1.1	3.9
SSW	1.1	1.6	.3									3.0	4.5
SW	1.1	1.7	1.6	.3								4.8	5.8
WSW	2.2	4.2	2.6	.6								9.6	5.9
W	2.2	4.2	6.7	1.9								15.1	7.3
WNW	1.6	1.8	2.9	1.0								7.2	6.8
NW	1.0	1.4	.3									2.7	4.4
NNW	1.2	1.3	.2									3.2	3.3
VARBL			6.6	1.8								8.3	9.7
CALM												13.1	
	27.7	6.6	26.9	5.6								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 624

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17450 SCHWABISCH HALL AAF DL YEARS 73-82 MONTH JUN
CLASS ALL WEATHERED HOURS 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	3.8	.5									7.7	3.8
NNE	7.2	3.2	.5									6.9	3.9
NE	1.7	2.7	1.3									5.0	5.3
ENE	1.7	2.6	1.9									5.8	5.4
E	1.4	2.2	1.8	.2								5.6	5.5
ESE	.6	1.4	.3									2.4	4.5
SE	.7											.2	1.0
SSE	.7	.3										.5	3.3
S	.7	.5	.2									1.0	4.2
SSW	.2	.3	.8									1.3	6.6
SW	.5	1.7	1.1									2.6	6.3
WSW	1.1	1.6	1.1	1.3	.2							5.3	7.6
W	2.1	4.5	4.5	2.2	.2							13.5	7.2
WNW	2.1	4.5	3.7	1.3								10.9	6.2
NW	3.7	1.8	1.1									5.9	4.2
NNW	3.7	3.4										7.1	3.3
VARBL		.2	9.6	2.9								12.7	9.5
CALM												5.9	
	24.2	34.0	27.7	7.9	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 624

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 1957 SCHWAEBISCH HALL AAF DL 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	3.1	0.5									9.1	3.5
NNE	1.0	0.7	1.1	0.2								12.9	4.4
NE	1.7	3.7	1.0									6.0	4.8
ENE	1.3	2.3	1.8									5.4	5.5
E	1.3	1.3	1.1									4.2	4.8
ESE	0.3	0.7	0.3									1.8	4.5
SE		1.1										1.1	4.9
SSE	0.0	0.2	0.2									0.8	3.4
S	0.7	0.2										0.5	3.0
SSW	1.0	0.3	0.5	0.2								2.4	5.3
SW	0.7	2.0	0.8									3.1	5.7
WSW	1.0	1.6	1.5	0.3	0.2							4.6	6.8
W	1.1	3.7	4.2	1.8	0.3							11.2	6.0
WNW	2.1	5.4	1.8	1.0								10.2	5.7
NW	1.3	2.1	0.7	0.2								4.2	4.5
NNW	2.0	1.8	0.7									5.4	3.8
VARBL		0.3	0.3	2.6	0.2							12.4	9.2
CALM												6.7	
	23.7	37.4	25.4	6.2	0.7							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 430 SCHWAEBISCH HALL AAF DL 73-82 JMS
STATION STATION NAME YEARS MONTHS
ALL WEATHER 1800-2000
CLASS HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.3	.2									4.2	2.5
NNE	3.7	3.4	1.6									8.6	4.3
NE	2.7	2.1	.2									4.9	3.4
ENE	1.0	1.4	.2									3.2	3.7
E	1.7	1.1	.2									3.0	3.1
ESE	1.2	.7										2.5	3.3
SE	.5											.5	2.7
SSE	.	.5										1.1	4.2
S			.2									.2	8.0
SSW	.7	.7	.4									1.8	4.3
SW	1.7	1.8	.9									4.4	4.5
WSW	1.4	2.3	1.1	.4								5.1	5.3
W	7.2	4.6	4.9	1.1	.5							14.3	6.8
WNW	4.1	3.7	.4		.2							8.3	4.1
NW	2.5	2.1	.5									5.1	3.9
NNW	1.3	1.6										3.9	3.1
VARBL			2.5	.7								3.2	9.4
CALM												25.4	
	31.7	26.9	13.1	2.1	.7							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 566

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 400 SOPHABISCH HALL 3AF DL 77-82
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	3.0
NNE	1.1											1.1	2.0
NE	2.2	2.2										4.5	2.5
ENE													
E	2.2											2.2	2.5
ESE													
SE													
SSE													
S													
SSW													
SW	2.2	1.1	2.2									7.9	4.0
WSW		2.2	2.2									5.6	6.0
W	2.2	4.5	4.5	1.1								19.1	4.8
WNW	1.1	1.1										2.2	3.5
NW													
NNW	1.1		1.1									2.2	5.5
VARBL			1.1									1.1	7.0
CALM												52.8	
	22.0	12.4	11.2	1.1								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 89

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1450 STATION SCHAEBISCH HALL AAF DL 77-82 MONTH JUNE
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.3	.3									5.9	3.4
NNE	2.3	2.9	.7	.0								5.5	4.0
NE	1.3	2.1	.6									4.1	4.5
ENE	1.0	1.8	1.0									4.7	4.5
E	2.6	1.6	1.3	.0								5.8	4.3
ESE	1.2	.0	.3									2.3	3.9
SE	.3	.3	.3									.6	4.0
SSE	.3	.3	.1									.6	4.2
S	.3	.2	.1									.6	3.9
SSW	.4	.8	.4	.0								2.1	4.7
SW	1.3	1.0	1.2	.1								4.5	5.2
WSW	1.6	2.8	1.8	.5	.1							6.7	6.0
W	2.3	4.4	5.1	1.5	.2							13.5	7.1
WNW	.1	3.3	2.0	.7	.0							5.1	5.8
NW	1.7	1.7	.5	.0								3.9	4.1
NNW	2.3	1.7	.2									4.2	3.5
VARBL		.1	5.9	1.7	.0							7.6	9.4
CALM												18.4	
	26.4	28.9	21.4	4.6	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 3129

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17455 SCHAEFER HALL AAF DL YEARS 73-80 MONTHS JUL
CLASS ALL WEATHER HOURS (LST) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2										1.2	2.2
NNE	.2	.5										.2	3.4
NE	.2	.2										.2	3.3
ENE	1.0	.5										2.4	3.1
E	5.0	2.6	.3									5.5	3.1
ESE	1.0	.5	.2									2.4	3.2
SE	.2	.5										.2	3.2
SSE													
S	.2	.2										.2	3.7
SSW	1.0	1.3	.2									2.9	3.8
SW	3.7	4.2	1.8									9.6	4.5
WSW	3.4	7.0	1.9	.2								12.5	4.9
W	2.7	2.6	4.0	.6								9.9	5.1
WNW	1.0	1.3	.6									4.0	4.5
NW	1.0	.5										1.8	3.0
NNW	.2											.3	2.9
VARBL			1.1	.3								1.4	9.3
CALM												39.7	
	26.0	2.2	10.1	1.1								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 625

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 46 STATION SCHAEFER HALL AAF DL 72-82 YEARS MONTH JUL
STATION NAME CLASS ALL WEATHER HOURS 1100
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.3	.2									3.2	3.1
NNE	.1	1.1	.2									2.4	3.6
NE		.6	.2									1.7	3.6
E		1.1	.9									2.4	5.7
ESE	.1	4.4	1.3	.2								7.7	4.7
SE	.1	1.6	1.1	.2								4.0	5.3
SSE		.3										.5	4.7
S		.2	.3									.6	6.0
SSW	.1	1.1	.2									.6	4.3
SW	2.4	3.1	1.7									2.4	3.7
WSW	1.2	6.5	3.1	.5								7.1	5.0
W	1.2	5.9	6.3	7.1	.2							11.9	5.7
WNW	2.3	4.1	3.2	.2								16.3	7.2
NW	1.7	1.9										10.1	5.3
NNW	.2	1.4	.3									3.6	3.6
VARBL		.2	4.7	.6	.2							4.9	3.3
CALM												5.7	6.9
	24.4	34.3	23.6	3.8	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 632

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40 STATION NAME SUNABEDICE HALL AAF DL YEARS 73-82 MONTH JUL
 CLASS ALL WEATHER HOURS (L & T) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1										4.9	3.1
NNE	1.1	1.6	.2									2.5	4.1
NE		.8	.5									1.7	4.7
ENE	1.4	2.5	.5									4.4	4.2
E	1.7	3.5	.3	.2								5.2	4.5
ESE		1.7	1.1									3.5	5.5
SE		.6										.9	4.6
SSE												.3	3.0
S		.5										1.0	3.4
SSW		.5	.9									2.4	5.3
SW		2.1	.9	.3								4.0	6.1
WSW		2.7	1.1	.5								5.2	6.1
W	2.1	5.2	7.3	2.7								17.6	7.3
WNW	1.7	6.7	3.2	.8								11.7	6.0
NW	1.7	2.8	.9									5.5	4.2
NNW	.7	3.2	.6									7.8	3.7
VARBL		.7	11.2	2.2								13.6	8.9
CALM												5.9	
	2.3	36.6	28.6	6.6								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 632

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWABING HALL AAF DL 73-82 1961
STATION STATION NAME YEARS NORTH
ALL WEATHERED
CLASS
1500-1700
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.1										5.2	2.8
NNE	1.0	2.3	.3									4.2	4.0
NE	1.0	1.5	.6									3.5	4.2
ENE	1.0	1.6	.5									3.7	4.0
E	1.0	2.9	.8									5.6	4.2
ESE	.8	1.8	1.0									3.5	5.2
SE	.2	.1	.3									1.3	5.5
SSE	.1	.3										.8	3.3
S	.1	.5										1.3	3.3
SSW	.1	1.3										1.8	4.0
SW	.5	1.1	.3									2.7	5.5
WSW	1.3	1.1	2.9	.3								5.5	6.9
W	1.8	6.0	6.0	2.1	.2							16.0	7.5
WNW	2.3	6.0	5.5	.5								15.2	5.9
NW	1.3	3.2	1.0									6.5	4.2
NNW	2.0	2.3	.2									5.0	3.4
VARBL		.3	9.0	1.5								10.8	8.9
CALM												7.6	
	24.2	34.9	28.9	4.4	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 620

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1345 STATION 1345-01 WCH. ABBOTT HALL AAF 01 73-82 YEARS 1944 MONTH
ALL WEATHER CLASS 1810-2000 HOUSE (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.2									3.2	3.1
NNE	.2	.2	.2									3.2	2.6
NE	.2	1.7	.2									4.1	3.5
ENE	.2	1.2										3.2	2.8
E	2.4	1.7										4.1	3.0
ESE	.2	1.2	.2									1.7	4.4
SE		.2										1.0	4.7
SSE	.2											.2	1.0
S	.2	.2										.3	4.5
SSW	.2	.5	.5									1.2	5.9
SW	1.5	1.2	1.4									4.1	5.2
WSW	1.5	3.0	1.9	.5								6.9	5.9
W	1.2	3.6	4.2	.5								13.5	5.9
WNW	3.2	3.7	2.4	.3								9.6	5.1
NW	1.2	1.5	.3									5.1	3.4
NNW	2.9	1.9										4.7	3.0
VARBL			2.7	1.0								3.7	10.0
CALM												29.6	
	27.4	26.6	14.0	2.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 591

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 450 STATION SCHWAEBISCH HALL AAF DL 77-80 YEARS JULI
STATION NAME CLASS MONTH
ALL WEATHER
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.0										1.0	2.0
ENE													
E	0.2											0.2	1.8
ESE	0.1											0.1	1.7
SE													
SSE		1.0										1.0	4.0
S													
SSW													
SW	3.1	3.1	1.0	1.0								8.3	5.3
WSW	0.2	5.2	1.0	1.0								13.5	4.6
W	1.0	3.1	2.1									6.2	5.8
WNW	1.0	1.0										2.1	3.5
NW	1.0											1.0	3.0
NNW													
VARBL			1.0									1.0	9.0
CALM												56.2	
	21.0	14.6	5.2	2.1								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 96

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1745 STATION SCHWAEBISCH HALL AAF DL 73-62 YEARS 1973
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.0	.1									3.6	2.9
NNE	1.1	1.1	.2									2.6	3.6
NE	1.0	.7	.3									2.3	3.9
ENE	1.5	1.3	.4									3.3	3.9
E	1.1	3.0	.5	.1								6.7	3.9
ESE	1.7	1.3	.7	.0								3.0	4.8
SE	.7	.7	.1									.9	4.5
SSE	.7	.2	.1									.4	4.0
S	.5	.3	.7									.8	3.6
SSW	.4	.9	.3									2.1	4.4
SW	1.3	2.3	1.3	.1								5.6	5.1
WSW	1.0	4.1	2.1	.4								8.6	5.7
W	.2	5.2	5.5	1.6	.1							14.4	6.9
WNW	.3	4.4	2.8	.4								9.9	5.6
NW	2.7	1.7	.4									4.4	3.8
NNW	2.1	1.7	.2									4.4	3.4
VARBL		.1	5.7	1.1	.7							6.7	9.0
CALM												20.2	
	24.4	30.5	20.7	3.6	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 3196

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 451 SCHJAEBISCH HALL AAF DL 73-82
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
AUG MONTH
0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.2	1.0
NNE	.5	.3										.9	3.3
NE	1.1		.2									1.2	3.1
ENE	1.0	1.1	.2									3.0	3.5
E	7.3	1.9	.5	.2								9.7	3.0
ESE	.7	.4	.8									2.4	4.6
SE	.7	.2	.3									.6	5.3
SSE													
S		.7										.2	4.0
SSW	.5	1.1										1.7	4.0
SW	3.2	1.7	.3									5.2	3.4
WSW	3.3	4.6	1.7	.3								9.9	4.8
W	3.3	3.2	2.1									9.1	4.6
WNW	1.5	1.2	.8									3.5	4.4
NW	.9	.6	.2									1.7	3.8
NNW	1.2	.2	.2									1.5	2.9
VARBL													
CALM												49.2	
	26.6	16.7	7.0	.5								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 658

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10450 SCHWABISCH HALL AAF DL 77-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
0900-1100
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4											1.4	2.2
NNE	.5	.6	.2									1.2	3.9
NE	1.1	1.1	.3									2.4	4.3
ENE	1.1	1.3	.8									3.6	4.6
E	2.6	3.0	2.7	1.5								9.8	6.3
ESE	.1	1.1	2.7	.5								6.3	5.8
SE	.9	.8	.3									1.7	4.5
SSE	1.2	1.1	.2									2.4	3.9
S	.2	1.7	.5	.2								2.4	5.9
SSW	1.4	2.7	.5	.2								4.7	4.6
SW	1.7	2.1	.3									4.1	4.1
WSW	3.6	3.9	1.7	.3								9.5	5.0
W	2.0	5.3	3.6	.8								11.6	6.1
WNW	2.4	2.4	1.2	.2								6.2	4.9
NW	.3	1.1	.8									4.1	4.0
NNW	2.0	2.1	.2									4.2	3.6
VARBL	.2	.2	4.1	1.4		.2						5.9	9.5
CALM												18.4	
	20.0	30.8	19.8	4.8		.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 662

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 STATION SCHWAEBISCH HALL AAF DL 72-82 YEARS AUG 1900-1900
STATION NAME CLIM HOURS (L.S.T.)
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9										3.3	3.7
NNE	1.4	1.4	.8									3.5	4.4
NE	.5	1.5	.5									2.4	5.1
ENE	1.2	2.7	.7									5.0	5.0
E	2.4	2.7	1.8									6.7	5.1
ESE	.7	1.8	1.8	.2								4.7	6.2
SE	.5	.5	.5									1.4	5.1
SSE	.6	.6	.2									1.4	4.4
S	1.2	.5	.2									1.8	3.4
SSW	1.5	1.2	.2									2.9	3.8
SW	1.5	2.7	.5									4.6	4.3
WSW	2.3	3.7	1.8	.5								8.4	5.3
W	2.4	5.1	5.4	1.1								14.0	6.4
WNW	3.3	4.2	1.2	.2								8.6	4.7
NW	1.4	2.1	1.5									5.0	5.1
NNW	3.3	2.4										5.7	3.2
VARBL		.2	10.9	1.2	.3	.3						12.8	9.4
CALM												7.4	
	20.5	35.6	27.9	3.0	.3	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 663

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17450 SCHWAEBISCH HALL AAF DL STATION NAME 73-82 YEARS AUG
MONTHS 1500-1700
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	.3									5.0	3.7
NNE	1.4	2.1	.9									4.4	4.9
NE	1.1	2.3	.3									3.6	4.8
ENE	1.8	2.1	.8	.2								4.9	4.6
E	.5	4.7	1.4	.2								7.0	5.3
ESE	.6	2.7	1.2									3.8	5.6
SE		.3	.2									.9	5.7
SSE	.5	.6	.3									1.7	4.2
S	.4	1.1	.3									2.1	4.5
SSW	.5	1.1	.2									1.7	4.5
SW	1.1	.6	.3									2.0	3.9
WSW	1.2	1.7	1.7	.2								4.7	6.0
W	3.2	4.6	6.8	1.1								15.6	6.7
WNW	3.2	7.3	2.3	.2								12.6	5.0
NW	1.2	3.3	.9									7.4	4.2
NNW	2.9	2.1										5.0	3.3
VARBL		.5	6.7	.9	.2							8.2	8.9
CALM												9.4	
	24.7	38.7	24.4	2.6	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 659

CLIMAT. CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 745 STATION SCHWAEBISCH HALL AAF DL 77-82 YEARS ALL WEATHER CLASS 1800-2000 HOURS (LST) MONTH

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.6										2.1	2.8
NNE	2.1	.5	.5									3.1	3.6
NE	2.2	1.7	.3									4.3	3.6
ENE	2.4	1.3	.5									4.1	3.7
E	1.2	1.4	.6									5.2	3.5
ESE	1.0	.9	.3									3.0	3.2
SE	1.4	.0	.2									2.4	3.6
SSE	.0	.3										.9	3.4
S	.5	.2										.6	3.0
SSW	.7	.5	.3									1.1	4.6
SW	1.4	1.6	.2									3.2	3.6
WSW	2.0	2.2	.8	.5								6.0	4.7
W	3.0	4.0	3.9	.2	.2							16.9	5.4
WNW	4.1	3.2	.9	.3								8.5	4.1
NW	2.3	1.6	.2									4.6	3.3
NNW	1.4	.0										2.2	2.9
VARBL			1.3	.2								1.4	9.3
CALM												34.7	
	31.0	22.2	9.9	1.1	.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 634

CLIMATE CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 SCHAEFELICH HALL AAF DL 77-82 AUG 1977-2300
STATION STATION NAME YEARS MONTHS (L E T)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE		.7									.9	4.0
NE	.7										.9	2.0
ENE	.7										.9	2.0
E	4.7										4.7	2.4
ESE	.7	.9									1.9	3.0
SE												
SSE												
S		.7									.9	6.0
SSW		.7									.9	5.0
SW	3.7	6.5									10.3	3.8
WSW	3.7	2.9	1.9	.9							4.3	5.4
W	1.6	2.9	3.7								12.1	5.0
WNW	2.7			.9							3.7	5.5
NW	1.7										1.9	2.5
NNW	.7										.9	3.0
VARBL												
CALM											90.5	
	2.2	15.9	5.6	1.9							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 480 SCHLAEBISCH HALL AAF DL 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
ALL
HOURS 11 5 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.3	.0	.1									2.4
NNE	1.1	1.0	.4									4.3
NE	1.2	1.3	.3									4.2
ENE	1.0	1.0	.6	.1								4.3
E	.3	2.7	1.4	.4								4.7
ESE	1.3	1.3	1.3	.1								5.3
SE	.0	.6	.3									4.6
SSE	.5	.5	.1									4.0
S	.1	.7	.2	.0								4.6
SSW	.0	1.3	.2	.0								4.3
SW	1.0	1.0	.3									3.9
WSW	2.0	3.3	1.5	.4								5.1
W	3.1	4.6	4.4	.6	.0							5.9
WNW	3.0	3.5	1.2	.2								4.7
NW	.1	1.7	.7									4.1
NNW	.1	1.5	.1									3.3
VARBL	.0	.1	4.5	.7	.1	.1						9.3
CALM												24.6
	26.0	28.5	17.5	2.4	.1	.1						3.8

TOTAL NUMBER OF OBSERVATIONS 3383

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 451 SCHAEFELICH HALL AAF DL 77-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0600-0800
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.0											2.0
NNE	.0											2.0
NE		.7										4.8
ENE	1.2	.7										2.8
E	5.7	3.5										3.2
ESE	.1	.0										2.7
SE	.0											1.0
SSE			.0									7.2
S			.0									7.0
SSW	.0	1.0	.3									4.7
SW	4.3	3.8	.7									3.8
WSW	2.4	4.3	1.7	.0								4.9
W	1.2	1.7	2.2	.0								7.2
WNW	1.2	1.2	.7									4.5
NW	.3	.9										4.1
NNW	1.0											2.2
VARBL			.7									8.5
CALM												1.6
	21.0	18.0	.7	1.0								2.1

TOTAL NUMBER OF OBSERVATIONS 578

U.S. AIR FORCE CLIMATE DIVISION
 AFMTCAC
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14 104 ADDISON HALL AAF CL STATION NAME 77-81 YEARS 1950-1955 CLAS ALL WEATHER
 CLASS ALL WEATHER
 CONDITION ALL WEATHER

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.3										1.3	2.4
NNE	.7	.3	.2									.2	4.2
NE	.6	1.2	.2									2.1	3.8
ENE	1.0	1.0	.2									2.2	4.1
E	.3	2.7	1.1	.7								4.8	4.2
ESE	.1	1.4	1.7	.3								4.2	4.7
SE	.	1.0	.5									2.1	4.6
SSE	.	.5										.0	4.3
S	.	.3										.0	3.2
SSW	2.7	1.5	.6									3.3	4.1
SW	.2	4.0	2.2	.5								7.9	5.7
WSW	.2	3.2	3.5	.6								7.6	6.1
W	.1	2.6	4.5	1.1								11.2	6.6
WNW	1.1	1.1	1.0	.2								4.3	5.7
NW	1.0	.6										2.2	2.8
NNW	1.0	1.1										2.6	3.1
VARBL			.1	1.6								6.7	9.5
CALM												75.3	
	2.3	23.4	21.5	4.5								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 624

GENERAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14400 SCHEAEBEL CH HALL AAF DL STATION NAME 77-82 YEARS SEP MONTH
CLASS ALL WEATHER 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7										2.7	2.4
NNE	1.0	1.3	.3									3.4	3.5
NE	1.0	1.1	.2									2.3	3.6
ENE	1.0	1.0	.5									2.4	4.7
E	2.4	3.0	.6									5.1	4.1
ESE	1.0	2.2	2.1									5.6	5.4
SE	.0	1.1	.5									2.2	4.9
SSE	.0	.3	.5									1.0	5.7
S	.0	.3	.8									1.3	5.8
SSW	1.0	.6	1.0	.2								3.4	5.1
SW	1.1	2.7	2.4	.6								6.9	6.5
WSW	1.0	2.2	2.6	1.9								7.7	7.8
W	1.0	3.7	5.4	2.9								13.9	7.4
WNW	2.0	2.9	2.4		.2							8.0	5.4
NW	.0	1.6										4.5	3.1
NNW	.4	1.3	.2									4.8	3.0
VARBL	.0	.5	.8	.8	.2							11.4	0.6
CALM												11.4	
	2.4	26.3	29.2	6.4	.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 224

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 457 STATION SCHWAEBISCH HALL AAF DL 77-82 YEARS 1980
STATION NAME CLASS ALL WEATHERED
CONDITION
1500-1700 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.3									4.3	3.4
NNE	1.2	1.5	.3									3.1	3.9
NE	1.3	1.4	.2									3.5	3.8
ENE	2.4	1.9	1.0	.3								5.5	4.5
E	1.5	3.3	.9									5.7	4.7
ESE	1.2	1.4	1.0									3.0	4.7
SE	.9	.5	.2									1.6	3.7
SSE	.0	.2	.7									1.7	4.6
S	.0	1.4	1.4	.2								3.3	6.7
SSW	.0	1.2	.5									2.4	4.6
SW	1.3	2.1	.5	.5								4.2	5.3
WSW	.1	1.7	2.8	1.5	.3							7.8	6.6
W	.1	4.0	6.6	1.6								15.2	6.8
WNW	.1	7.2	1.6									9.9	4.6
NW	3.0	2.0	.2									6.4	3.2
NNW	3.0	1.4	.2									5.4	3.0
VARBL		.2	4.7	.5	.2	.2						5.7	9.7
CALM												10.7	
	5.1	31.7	23.1	4.0	.3	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 578

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17451 AFB AEB TCH HALL AAF DL STATION NAME 73-82 YEARS SEP MONTHS 1800-2000 HOURS (L & T)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2	.2									1.5	3.3
NNE	.3	1.2										2.5	3.9
NE	1.2	.5	.2									2.5	3.5
ENE	2.2	.2	.4									3.4	3.5
E	.2	2.2	.2									4.7	3.5
ESE	1.6	.8										2.4	2.7
SE	.4	.2										.6	3.0
SSE		.4										.4	4.0
S	.2	.3	.2	.4								2.2	5.3
SSW	.2	1.2	.4									2.0	5.1
SW	1.5	2.2	.6									4.5	4.1
WSW	1.4	3.1	1.6	.4								6.5	5.9
W	2.1	5.1	2.2									12.1	4.8
WNW	3.9	2.2	.4	.4								6.9	4.2
NW	1.2											1.0	1.6
NNW	1.2	.4										1.4	2.1
VARBL			.4	.4	.2							1.0	13.4
CALM												47.1	
	22.7	21.5	6.9	1.6	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 493

GENERAL CLIMATOLOGY SEARCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1745 STATION SCHAEBIJCH HALL AAF DL 77-82 YEARS SEP MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	5.0
NNE													
NE	1.0	1.0										3.2	3.0
ENE		1.0										1.0	4.0
E	1.0											3.2	1.5
ESE	1.0											1.0	3.0
SE													
SSE													
S													
SSW													
SW	1.0		1.0									4.8	5.0
WSW	1.0		1.0									9.5	3.7
W	1.0	3.2		1.0								6.3	6.0
WNW	1.0		1.0									3.2	6.5
NW													
NNW													
VARBL													
CALM												65.1	
	23.6	7.9	4.8	1.0								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 63

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10450 SCHAEFELICH HALL AAF DL STATION NAME 73-62 YEARS SIP
STATION ALL CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	.1									2.2	2.9
NNE	1.1	.3	.2									2.0	3.7
NE	1.1	1.1	.1									2.3	3.7
ENE	1.6	1.1	.4	.0								3.1	4.1
E	3.3	2.2	.6	.0								6.8	3.9
ESE	1.7	1.3	.9	.1								3.7	4.7
SE	.5	.5	.2									1.4	4.3
SSE	.5	.3	.3									.9	4.9
S	.4	.5	.5	.1								1.9	5.7
SSW	1.7	1.3	.6	.0								3.2	4.6
SW	2.1	2.3	1.4	.3								6.7	5.2
WSW	2.0	2.4	2.5	.8	.0							8.2	6.2
W	2.4	3.3	4.2	1.4								11.3	6.6
WNW	2.3	2.5	1.5	.1	.0							6.4	4.9
NW	1.0	1.1	.1									3.1	3.1
NNW	2.1	.3	.1									3.0	2.9
VARBL	.0	.1	4.3	.7	.1	.0						5.2	9.3
CALM												29.1	
	25.3	24.1	17.7	3.6	.2	.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1745 STATION SCHLAEBISCH HALL AAF DL 77-82 YEARS OCT NORTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.2										2.2	2.9
NNE	.4	.2										.8	3.4
NE	.4	.3	.5									1.2	4.9
ENE	1.2	.2										2.2	3.2
E	7.2	3.6	.6	.5								12.6	3.6
ESE	4.7	2.2	.3									6.5	3.5
SE	.2	.8										1.7	3.4
SSE	.2	.5										.6	4.3
S	.3	.3	.3									.9	5.3
SSW	1.7	1.2	.5									3.4	4.3
SW	2.4	4.4	1.2	.5	.2							9.0	5.1
WSW	2.4	2.6	1.9	.6								7.8	5.4
W	1.2	2.2	2.5	.9	.2							7.6	6.9
WNW	.5	.8										1.2	3.5
NW	.5	.2										.6	3.0
NNW													
VARBL			3.7	.9								4.7	8.8
CALM												36.9	
	25.4	21.5	11.5	3.4	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1745 STATION SCHWABERICH HALL AAF DL 73-62 YEARS OCT 1962-1966
STATION NAME MONTHS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.3										2.0	2.6
NNE	.7	1.1	.2									1.5	5.0
NE	.7	.6	.2									1.4	4.6
ENE	1.1	1.2	.5									2.8	4.1
E	6.2	4.5	2.5	.6								13.7	4.6
ESE	3.7	4.8	2.2	.5	.3							11.4	5.3
SE	.7	1.1	1.1	.2								3.2	5.4
SSE	.3	.8	.6									1.7	5.5
S	.7	.2										.6	2.5
SSW	1.7	2.1	1.1									4.9	4.8
SW	1.4	3.9	2.3	.6								8.2	6.0
WSW	.7	3.5	5.7	.6								11.9	6.6
W	1.7	1.9	2.5	1.1								7.1	6.7
WNW	1.2	1.7	.2	.2								3.4	4.5
NW	1.2	.2										1.4	2.4
NNW	1.1											1.1	2.3
VARBL			4.3	2.5	.2							6.9	10.1
CALM												17.0	
	25.5	27.8	23.1	6.2	.5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7457 SC-HAEBISCH HALL AAF DL 77-82 OCT 1977
STATION STATION NAME YEARS MONTH
ALL WEATHERED 1200-1400
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2										3.5	3.3
NNE	.3	.3										1.7	4.2
NE	.3	.5	.5									1.7	4.5
ENE	.3	2.2	.9	.2								4.0	5.5
E	.3	3.4	2.9	1.2								9.6	6.4
ESE	1.7	3.1	3.4	.5								8.8	6.1
SE	.3	1.9	1.1	.2								3.7	5.5
SSE		1.4										1.4	5.2
S	.3	.6	.5									1.5	5.0
SSW	.3	2.9	.3	.2								4.3	5.0
SW	1.4	1.7	2.2	.5								5.7	6.4
WSW	1.7	2.6	4.2	1.4								9.9	6.9
W	.3	2.9	3.2	2.6	.2							9.9	8.4
WNW	1.9	5.2	1.5									8.6	5.1
NW	1.1	.3										1.9	3.3
NNW	1.9	.6										2.5	2.9
VARBL			5.9	3.2	.3							9.4	10.3
CALM												11.9	
	17.3	31.9	26.5	9.9	.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 STATION SCHAEFELICH HALL AAF DL 77-62 YEARS 307 MONTHS
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.1										3.3	3.1
NNE	.1	1.4	.2									2.3	3.9
NE	.1	1.5	.5									3.1	4.3
ENE	2.1	2.2	.6									5.4	3.9
E	2.2	7.6	3.3	.5								13.4	5.5
ESE	.1	2.5	1.4	.6								5.4	6.4
SE	.3	.9	.3									1.9	4.2
SSE	.2	1.2										1.4	4.1
S	.1	.1	.2									1.4	3.6
SSW	1.1	1.6	.3									3.4	4.2
SW	1.7	2.6	1.1	.8								6.2	6.1
WSW	1.1	2.1	2.5	.8								7.1	6.5
W	1.1	5.4	4.3	2.2	.3							13.4	7.2
WNW	2.2	3.6	1.7	.6								8.1	5.6
NW	1.1	1.1										2.6	2.9
NNW	1.1	.5										2.0	2.8
VARBL			3.1	2.2	.5							5.7	11.0
CALM												13.8	
	2.1	36.2	19.4	7.8	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 694

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17451 STATION 17451 SCHWABISCH HALL AAF DL 73-82 OCT 1900-2000
STATION NAME YEARS MONTHS (L & T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.2									2.1	4.1
NNE	.6	.5	.3									1.4	4.3
NE	.7	.8	.3									n	4.7
ENE	1.0	.8	.2									2.0	3.3
E	6.2	4.6	1.0	.2								12.0	3.6
ESE	2.1	2.7	.6									5.6	4.3
SE	1.0	.7	.3									2.1	3.7
SSE	.7											.5	1.7
S	.6	.6										1.1	3.4
SSW	1.1	1.0	.2									2.2	3.5
SW	3.5	2.1	.5	1.1	.2							7.4	5.3
WSW	2.1	4.5	3.0	1.0	.2							10.7	6.0
W	2.7	2.7	2.7	1.1								9.3	6.1
WNW	1.3	1.0	.6	.2								3.5	4.4
NW	1.0											1.0	2.0
NNW	.5	.3										.8	3.6
VARBL			1.3	1.0	.2	.2						2.6	11.6
CALM												33.2	
	26.2	23.6	11.2	4.5	.5	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 624

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10450 STATION NAME AFB BUCH HALL AAF DL YEARS 75, 77-80 MONTH OCT
 CLASS ALL WEATHER HOURS (LST) 130-2300
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	3.0
NNE		4.0										4.0	5.0
NE													
ENE	.5	2.0										2.5	3.0
E	.5	5.5	.0	.0								6.0	4.4
ESE	.5	.9										1.4	2.7
SE	.0	.9	.9									1.8	5.0
SSE	.0											.9	1.0
S													
SSW	3.7											3.7	6.3
SW	.4	3.7	1.8	1.0								4.9	5.2
WSW	.0	1.0	.9	1.8								2.7	7.8
W		1.0	.9	3.7								5.6	10.4
WNW	.0			.0								1.0	7.0
NW													
NNW													
VARBL				.0	.9							1.0	14.5
CALM												33.9	
	27.5	22.0	5.0	10.1	.0							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 109

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL-WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 140 STATION NAME SCWABISCH HALL AAF DL YEARS 70-80 DAY MONTH 001
CLASS ALL-WEATHER HOURS (LST) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.8	.1									2.5	3.2
NNE	.1	.9	.1									1.7	4.3
NE	.1	.7	.4									1.7	4.5
ENE	1.7	1.5	.4	.7								3.3	4.1
E	4.5	4.8	2.7	.6								12.3	4.7
ESE	2.0	3.7	1.5	.3	.1							7.5	5.1
SE	.1	1.1	.5	.1								2.5	4.7
SSE	.2	.1	.1									1.1	4.5
S	.1	.4	.2									1.1	4.1
SSW	1.4	1.7	.5	.7								3.3	4.4
SW	7.3	3.7	1.5	.7	.1							7.5	5.7
WSW	1.7	3.2	3.4	.9	.0							9.3	6.3
W	1.4	3.1	3.7	1.7	.1							9.4	7.2
WNW	1.7	2.4	.8	.2								4.9	5.0
NW	.7	.4										1.4	2.8
NNW	1.7	.3										1.2	2.9
VARBL			3.6	1.9	.2	.0						5.8	10.3
CALM												22.9	
	24.1	2.7	18.0	6.5	.5	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 3316

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 45 STATION 00-1AESTICH HALL AAF AL 75-01 YEARS NORTH
STATION NAME
ALL WEATHER CLASS
CONDITION
MOUSE (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.4	2.0
NNE	1.4	1.3										2.7	3.5
NE		.2	.4									1.1	4.8
ENE	1.4	1.4	1.5	.2								3.8	5.3
E	1.4	1.3	.2									4.8	5.2
ESE	2.4	1.8	.5	.2								5.0	4.1
SE		.7	.2	.2								1.6	5.0
SSE		.4										.2	4.0
S		.5	.2									.9	5.0
SSW	.7	1.1	1.1									2.9	5.3
SW	2.4	5.7	2.7	.4								11.3	5.2
WSW		4.5	5.7	3.3	.2							15.1	7.2
W		.7	3.9	3.4	.5	.4						9.5	10.7
WNW	1.1	.7	1.4	.7								3.9	6.9
NW	.7	.2										.9	2.8
NNW	1.1	.5										1.6	3.3
VARBL			1.2	1.1	.5							3.8	11.5
CALM												29.0	
	.4	21.1	19.4	.4	1.3	.4						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 553

CLIMATE CLIMATELOGY BRANCH
 AFSTAC
 AIR FORCE WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 40 STATION 307 ABSELOE HALL AAF DL 70-8 YEARS NOV NORTH
 ALL WEATHER CLASS 800-1000 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.5									.7	2.5
NNE	.5	.5	.5									.2	2.2
NE	.5	.7	.5									.5	2.7
ENE	.5	1.1	.7									.1	2.1
E	3.5	4.1	.7									.7	2.9
ESE	.1	3.7	.5	.5								8.2	4.5
SE	1.4	.5	.7	.7								8.2	3.7
SSE	.5	.2										.5	3.2
S	.5	.2										.7	2.4
SSW	.5	3.5	.5									.4	3.1
SW	1.5	4.4	3.4	1.2								10.2	3.5
WSW	1.5	3.3	5.5	1.8								13.7	7.3
W	.2	1.2	5.5	4.1	.4	.4						13.1	4.7
WNW	.1	.5	.7	.7								3.2	7.1
NW	.1											1.1	2.0
NNW	1.5	.4	.4									.3	3.1
VARBL			4.5	1.8	.2							6.6	9.2
CALM												71.0	
	1.1	20.1	23.4	10.5	.5	.4						100.2	4.2

TOTAL NUMBER OF OBSERVATIONS 564

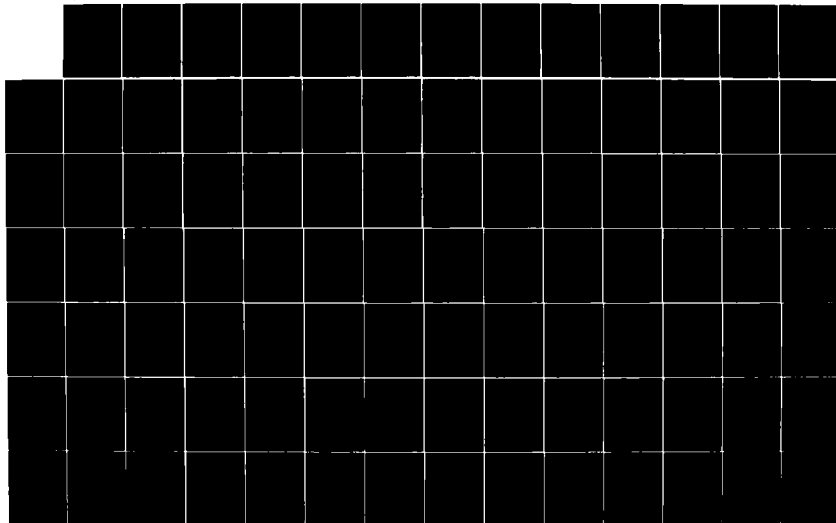
AD-A140 242

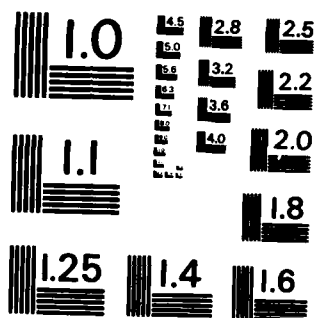
SCHWABISCH HALL WEST GERMANY LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA... (U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
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UNCLASSIFIED

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

17450 SCHAEFELICH HALL AAF DL

73-82

NGV

STATION

STATION NAME

YEARS

DATE

ALL WEATHER

1200-1800
0000 (L.S.T.)

CLIM

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.2										2.3	2.3
NNE	.2	.7	.5									2.1	4.3
NE	.9	.4	.9	.4								2.5	6.1
ENE	.9	.9	1.4	.2								3.4	6.3
E	3.0	3.7	1.6									8.3	4.3
ESE	1.4	2.7	.7	.2								4.9	4.7
SE	.9	.5	.7	.2								2.3	5.4
SSE		.9										.9	4.6
S	.7	.4	.4									1.4	4.5
SSW	1.5	1.6	.4									3.5	4.1
SW	.9	3.4	3.9	.9								9.0	6.8
WSW	.5	3.0	5.5	3.2	.2							13.3	8.7
W	.5	2.1	7.6	4.4	.2							14.8	9.3
WNW	.9	1.9	1.2	.9								4.9	6.8
NW	1.4	.5	.2									2.1	2.9
NNW	2.5	1.2	.4									4.1	3.4
VARBL		.2	5.8	1.9	1.1							9.0	10.3
CALM												11.1	
	19.1	25.1	31.1	12.2	1.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

566

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 STATION SCHAEBISCH HALL AAF DL 73-82 YEARS NCV
STATION NAME CLASS MONTH
ALL WEATHER
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1	.5										1.6	3.1
NNE	.5	.5	.2									1.3	3.9
NE	1.6	1.6	.9	.4								4.5	5.4
ENE	1.4	.9	.5	.2								3.1	4.5
E	2.2	2.7	.9									5.8	4.3
ESE	1.1	1.3	1.3									3.6	5.3
SE	1.1	1.1	.4									2.5	4.4
SSE	.5	.5										1.1	3.3
S	1.1	1.1	.2									2.3	3.8
SSW	1.6	2.9	.7	.2								5.4	4.8
SW	1.1	2.2	2.0	.2	.2							5.6	6.5
WSW	1.3	4.9	4.9	2.5								13.5	7.6
W	2.0	4.3	4.9	4.2	.2							15.5	8.0
WNW	1.8	1.6	1.1	.5								5.1	5.5
NW	.9	.7	.2									1.8	3.9
NNW	2.2	.5										2.7	2.7
VARBL			3.8	2.3	.4							6.5	10.7
CALM												18.1	
	21.5	27.4	21.8	10.5	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 554

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 STATION SCHWAEBISCH HALL AAF DL 73-82 YEARS NOV 1800-2000
STATION NAME CLASS CONDITION
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.9	2.0
NNE			.4									.9	7.5
NE	.0	.4	1.1	.4								2.4	7.2
ENE	1.7	1.1	.6	.2								3.6	4.5
E	2.3	3.7	.9									6.2	4.5
ESE	1.0	1.5	.2									3.6	3.5
SE	.0	1.5										1.7	4.1
SSE	.3	.9	.2									1.9	3.6
S	.8	.9										1.7	3.8
SSW	.0	1.3	2.1									3.6	6.7
SW	1.1	3.6	2.4	.4	.2							7.7	6.4
WSW	1.1	4.7	4.1	2.1	.8							12.8	7.7
W	.9	3.0	6.2	1.9	.4							12.4	8.0
WNW	1.1	.6	.6									2.3	4.4
NW	.4	.6										.9	4.4
NNW	.6	.8										1.3	3.3
VARB			2.4	3.4	.2	.2						6.2	11.9
CALM												30.5	
	14.5	23.9	21.2	8.3	1.5	.2						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 745C SCHWAEBISCH HALL AAF DL 76-82 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

2100-2300
DOVE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7											2.9	2.3
NNE		1.0										1.0	4.0
NE	1.0		1.0									1.9	6.0
ENE		1.0	1.0	1.0								2.9	9.7
E	1.9	1.9										3.8	2.8
ESE	1.9	1.9										3.8	4.3
SE		1.0										1.0	6.0
SSE		1.0										1.0	6.0
S	1.0	1.0										1.9	3.0
SSW	1.0	2.9	1.0									4.8	5.0
SW	1.9	1.0	2.9			1.0						6.7	9.1
WSW	6.7	5.8	1.9	1.9	1.0							17.3	6.0
W	1.0	1.0	6.7	1.0	1.0							10.6	9.8
WNW		1.0	1.9									2.9	7.3
NW	1.0											1.0	2.0
NNW	1.0											1.0	2.0
VARBL			1.9									1.9	9.0
CALM												33.7	
	21.2	20.2	18.3	3.8	1.9	1.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 104

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 SCHWAEBISCH HALL AAF DL 73-82 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.1										1.3	2.4
NNE	.6	.7	.2									1.5	4.2
NE	.9	.6	.8	.2								2.5	5.8
ENE	1.1	1.1	1.0	.2								3.4	5.4
E	2.9	2.9	.8									6.7	4.0
ESE	1.3	2.2	.6	.1								4.7	4.4
SE	.8	.9	.3	.2								2.2	5.0
SSE	.3	.6	.3									1.0	3.8
S	.7	.6	.1									1.5	3.9
SSW	.9	1.9	.9	.0								3.8	5.2
SW	1.5	3.8	2.9	.6	.1	.0						8.8	6.3
WSW	1.7	4.7	4.8	2.4	.2							13.8	7.6
W	1.0	2.3	5.7	3.5	.3	.1						13.0	9.1
WNW	1.1	1.1	1.1	.6								3.9	6.3
NW	.9	.4	.1									1.4	3.2
NNW	1.6	.7	.1									2.4	3.1
VARBL		.0	3.7	2.0	.5	.0						6.3	10.6
CALM												22.1	
	19.0	24.6	23.2	9.8	1.1	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

17450 STATION SCHWABISCH HALL AAF DL 73-82 YEARS DEC
STATION NAME CLASS 0600-0800
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9											.9	1.6
NNE	.4		.2									.6	3.7
NE	.4	.2	.9	.4								1.8	7.9
ENE	1.5	1.5	1.3	.2								4.4	5.4
E	5.1	5.3	2.2	.7								13.4	4.9
ESE	.9	2.2	.7	.2								4.0	4.9
SE	.9	.6	.6									2.0	4.6
SSE		.2	.2									.4	7.0
S	.4	.6	.2	.2								1.3	5.6
SSW	.7	2.2	1.3	.4								4.6	6.4
SW	1.1	3.1	4.0	1.5								9.7	7.2
WSW	1.3	4.3	4.2	3.9	.9	.6						15.6	9.6
W	.7	1.8	2.8	2.2	1.5	.6	.2					9.7	11.2
WNW	.2	.4	.7	.9	.2							2.4	10.5
NW		.4										.4	4.5
NNW	.6											.6	2.7
VARBL			2.4	2.9	.4	.2						5.9	11.8
CALM												22.4	
	15.0	23.1	21.7	13.4	2.9	1.3	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWAEBISCH HALL AAF DL 73-82 DEC
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
OBSERVATION
0900-1100
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.3									1.5	3.8
NNE	.2	.3	.7									1.1	6.9
NE		.3	.3									.7	6.5
ENE	1.5	1.1	1.8									4.9	5.9
E	4.3	7.6	2.5	.8								15.1	5.1
ESE	.7	1.8	1.1	.3								3.9	6.3
SE	.7	1.1										1.8	4.2
SSE	.5	.2	.8									1.5	5.7
S	.3	.8	.7	.3								2.1	6.5
SSW	1.0	1.6	2.0									4.6	5.8
SW	1.3	2.6	3.1	3.6	.5							11.7	8.9
WSW	1.1	2.9	4.1	3.8	.3	.3						12.5	9.3
W	1.5	2.1	3.8	3.8	.5	.7						12.3	9.9
WNW	.3	.3	1.6	.3								2.6	7.8
NW	.3	.2										.5	3.0
NNW	.3	.3										.7	3.0
VARBL			1.6	2.6	.5	.2						4.9	12.3
CALM												18.1	
	15.3	23.6	24.5	15.6	1.8	1.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 609

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWAEBISCH HALL AAF DL 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2										.3	3.5
NNE		.7										.7	5.8
NE	.5	.3	1.0									1.8	5.7
ENE	.3	1.2	.8	.3								2.7	6.3
E	4.0	6.5	4.5	1.0								15.9	5.6
ESE	1.2	1.5	1.0	.2								3.8	5.4
SE	.5	.5	.5									1.5	5.2
SSE	.7	.3	.3	.2								1.5	5.7
S	.3	.5	.5	.2								1.5	6.3
SSW	.8	1.8	.5	1.2								4.3	6.8
SW	1.3	4.9	3.5	2.5	.5	.2						12.8	8.1
WSW	1.9	4.3	3.5	3.5	1.0	.5						14.6	9.0
W	.7	2.8	4.5	4.1	.5	.5						13.1	9.8
WNW	1.7	1.3	1.5	.3	.3							5.1	6.6
NW	.8	.3	.2									1.3	3.9
NNW	1.0	.7										1.7	2.8
VARBL			2.0	2.5	1.0	.3						5.8	13.8
CALM												11.6	
	15.8	27.7	44.2	15.9	3.3	1.5						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17450 SCHAEFISCH HALL AAF DL 73-82 YEARS DEC
STATION NAME ALL WEATHER CLASS 1500-1700
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	1.3
NNE	.4	.5										.9	3.8
NE	.5	.5	.5									1.6	4.9
ENE	1.2	1.8	.9									3.9	4.8
E	3.7	7.6	2.6									13.9	4.8
ESE	.7	1.6	1.2	.4								3.9	6.7
SE	.9	.5	.7									2.1	5.0
SSE		.4	.4									.7	5.8
S	.4	.5	.2	.4								1.4	6.3
SSW	1.8	1.2	.7	.7								4.4	5.8
SW	2.1	3.7	1.4	1.2								7.7	6.3
WSW	2.1	2.3	5.4	3.7	.7	.4						14.6	9.3
W	1.9	5.6	3.0	4.0	.5	.2						15.3	8.3
WNW	1.2	1.1	1.8	.5	.2							4.7	6.6
NW	1.2	.7	.2	.2	.2							2.5	5.1
NNW	1.1	.4										1.4	2.6
VARBL			1.6	3.0	.9	.5	.2					6.2	14.4
CALM												14.4	
	19.7	27.6	20.6	14.1	2.5	1.1	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWABISCH HALL AAF DL 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	2.5
NNE	.3	.3	.3	.3								1.1	7.3
NE	.7	.3										.5	3.0
ENE	2.1	.8	.8									3.7	4.1
E	2.1	3.7	1.6	.5								8.0	5.4
ESE	1.1	1.6	.3	.3								3.2	5.1
SE	1.3	.8	.3									2.4	3.8
SSE	.8		.5									1.3	4.6
S	.3	.3	.5									1.6	5.8
SSW	1.1	2.7	1.9									5.6	5.6
SW	3.2	2.9	3.4	1.3								10.9	6.0
WSW	1.3	4.2	4.2	3.2	1.1							14.1	8.7
W	1.3	3.4	2.1	2.7	1.6	.3						11.4	9.7
WNW	.5	2.7	1.1	.5								4.8	5.9
NW	.3	.3										.5	4.0
NNW	1.1											1.1	2.3
VARBL			1.6	4.5	.3	.5						6.9	13.3
CALM												22.5	
	17.5	24.4	18.6	13.3	2.9	.8						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 377

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0452 SCHWAEBISCH HALL AAF DL 76-62 D.C.
STATION STATION NAME YEARS
ALL WEATHER
CLASS
2130-2300
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.3											1.3	2.0
ENE													
E	3.9	6.6	1.3	1.3								13.2	5.1
ESE	1.3		1.3	1.3								3.9	7.3
SE	3.9											3.9	2.7
SSE													
S		1.3	1.3									2.6	6.0
SSW	1.3		3.9									5.3	6.3
SW	2.6	2.6	2.6	2.6								10.5	7.3
WSW	3.9	5.3	3.9	2.6								15.8	6.3
W	2.6		5.3			1.3						9.2	9.1
WNW				2.6								2.6	12.0
NW													
NNW													
VARBL			1.3									1.3	8.0
CALM												10.3	
	21.1	15.8	21.1	10.5		1.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 76

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 7450 SCHWAEBISCH HALL AAF DL 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

DATE

HOW OBSERVED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1									.2	2.8
NNE	.0	.4	.2	.0								.3	5.7
NE	.4	.3	.6	.1								1.3	5.9
ENE	1.2	1.3	1.1	.1								3.7	5.4
E	4.0	6.3	2.7	.6								13.7	5.1
ESE	.0	1.7	.9	.3								3.9	5.8
SE	.0	.7	.4									2.0	4.5
SSE	.4	.2	.4	.0								1.0	5.6
S	.1	.6	.4	.2								1.6	6.2
SSW	1.1	1.0	1.3	.5								4.6	6.1
SW	1.0	3.3	3.1	2.1	.2	.0						10.6	7.4
WSW	1.6	3.7	4.3	3.6	.8	.4						14.3	9.1
W	1.3	3.1	3.4	3.3	.8	.5	.0					12.4	9.6
WNW	.3	1.0	1.3	.6	.1							3.9	7.2
NW	.0	.4	.1	.0	.0							1.0	4.3
NNW	.0	.3										1.0	2.7
VARBL			1.0	2.9	.6	.3	.0					5.7	13.1
CALM												17.7	
	16.7	25.1	22.2	14.5	2.6	1.2	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1450 SCHAEFELICH HALL AAF DL YEARS 77-83 ALL
STATION NAME ALL ALL
CLASS ALL ALL
CONDITION ALL ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.9	.2	.0								2.7	3.3
NNE	1.0	1.1	.4	.0								2.5	4.5
NE	.2	1.3	.8	.2	.0							3.2	5.4
ENE	1.6	1.7	1.0	.3	.0							4.5	5.3
E	3.5	3.6	1.7	.4	.0							9.3	4.8
ESE	1.4	1.5	1.1	.2	.0							4.6	5.3
SE	.2	.7	.4	.0								1.7	4.9
SSE	.3	.4	.2	.0								.9	4.6
S	.0	.4	.2	.0								1.2	4.7
SSW	1.0	1.4	.7	.1	.0							3.2	5.2
SW	1.5	2.4	1.6	.5	.0	.0						6.1	6.0
WSW	1.7	3.3	3.1	1.4	.2	.0						9.8	7.1
W	1.7	3.2	4.5	2.4	.5	.1	.0					12.5	8.3
WNW	1.0	2.3	1.6	.5	.0							6.0	5.9
NW	1.2	1.7	.3	.0	.0							2.5	4.0
NNW	1.6	1.1	.2	.0								2.8	3.5
VARBL	.0	.1	4.7	1.5	.2	.1	.0					5.9	10.1
CALM												20.5	
	21.7	26.6	22.0	7.8	1.0	.2	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 37358

GLOBAL CLIMATOLOGY SPANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17457 SCHWAEBISCH HALL AAF DL YEARS 73-83
INSTRUMENT CLASS
CONDITION
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	.2									3.0	3.2
NNE	1.7	1.2	.5	.1								2.8	4.6
NE	.9	1.4	1.1	.1								3.5	5.6
ENE	1.4	1.5	.8	.1								3.8	4.8
E	3.2	3.4	1.7	.3								9.2	4.7
ESE	1.2	2.0	.8	.2								4.3	5.3
SE	.5	1.0	.4	.0								1.9	4.9
SSE	.2	.3	.1									.6	4.1
S	.3	.1	.1	.0								.5	4.3
SSW	.5	.7	.3	.0	.0							1.6	4.7
SW	1.4	2.0	1.2	.3								4.9	5.4
WSW	1.0	3.5	3.5	1.7	.1							10.5	7.3
W	1.0	4.3	6.3	3.5	.7	.2	.0					16.9	8.7
WNW	1.6	2.4	1.9	.7	.1							6.7	6.4
NW	1.3	.6	.1	.0	.0							2.2	3.6
NNW	1.5	1.0	.2	.0								2.7	3.7
VARBL		.0	2.2	1.4	.2	.0						3.8	10.6
CALM												21.0	
	21.4	26.2	21.4	8.6	1.2	.2	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7399

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the >10 mi visibility category should be used with great caution.

(continued on Reverse Side)

EXAMPLE FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 900 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories.
Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 45
STATION

SCHWABISCH HALL AAF DL
STATION NAME

74-87
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS, LST

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥8 EC9	≥6 GE8	≥4 GE6	≥3 GE4	≥2 GE3	≥1 GE2	≥1 GE2	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1	≥1 GE1
NO CEILING	.1	6.9	7.8	11.1	13.7	14.2	15.5	18.8	19.4	20.4	20.8	21.1	21.1	22.1	22.7	22.9
≥ 20000	.4	8.5	9.5	12.9	15.8	16.3	17.6	20.9	21.6	22.5	22.9	23.2	23.2	24.3	25.0	25.2
≥ 18000	.4	8.5	9.5	12.9	15.8	16.3	17.6	20.9	21.6	22.5	22.9	23.2	23.2	24.3	25.0	25.2
≥ 16000	.4	8.5	9.5	12.9	15.8	16.3	17.6	20.9	21.6	22.5	22.9	23.2	23.2	24.3	25.0	25.2
≥ 14000	.4	8.5	9.5	12.9	15.8	16.3	17.6	20.9	21.6	22.5	22.9	23.2	23.2	24.3	25.0	25.2
≥ 12000	.5	8.7	9.8	13.2	16.2	16.7	18.0	21.2	21.9	22.9	23.2	23.5	23.5	24.7	25.3	25.5
≥ 10000	.7	9.6	10.8	14.2	17.2	17.6	19.0	22.2	22.7	24.0	24.3	24.7	24.7	25.8	26.5	26.6
≥ 9000	.5	10.1	11.3	14.7	17.6	18.1	19.4	22.7	23.4	24.5	24.8	25.2	25.2	26.3	27.0	27.1
≥ 8000	.2	12.7	14.1	17.5	20.4	20.9	22.2	25.5	26.1	27.3	27.5	27.9	27.9	29.1	29.7	29.9
≥ 7000	.3	13.1	14.4	18.0	20.9	21.4	22.9	26.1	26.8	27.9	28.3	28.6	28.6	29.7	30.4	30.6
≥ 6000	0.0	14.2	15.5	19.1	22.1	22.5	24.1	27.3	27.9	29.1	29.4	29.7	29.7	30.9	31.5	31.7
≥ 5000	1.0	15.2	16.5	20.3	23.5	24.0	25.5	28.9	29.6	30.7	31.0	31.4	31.4	32.5	33.2	33.3
≥ 4500	11.7	17.3	18.6	22.5	25.8	26.3	28.3	32.0	32.7	33.8	34.2	34.5	34.5	35.6	36.3	36.4
≥ 4000	13.9	19.8	21.1	26.5	29.7	30.2	32.2	35.9	36.8	37.9	38.2	38.6	38.6	39.7	40.4	40.5
≥ 3500	18.5	22.7	24.8	31.0	34.3	35.0	36.9	40.7	41.5	42.6	43.0	43.3	43.3	44.4	45.1	45.3
≥ 3000	10.1	25.8	28.1	35.1	38.6	39.5	42.1	45.9	46.9	48.0	48.4	48.7	48.7	49.8	50.5	50.7
≥ 2500	10.3	27.6	29.9	37.4	41.7	42.0	44.6	49.0	50.2	51.3	51.6	52.0	52.0	53.1	53.8	53.9
≥ 2000	20.0	32.4	34.8	43.6	47.7	49.0	52.1	56.7	57.8	59.0	59.3	59.6	59.6	60.8	61.4	61.6
≥ 1800	23.7	33.0	35.6	44.6	48.7	50.0	53.3	58.0	59.3	60.5	60.8	61.1	61.1	62.4	63.1	63.2
≥ 1600	25.7	35.9	38.7	48.1	52.6	54.4	58.5	64.1	65.4	66.5	66.8	67.2	67.2	68.5	69.1	69.3
≥ 1400	27.2	39.4	42.5	53.1	58.0	60.3	64.7	70.6	71.9	73.7	74.0	74.3	74.3	75.7	76.3	76.5
≥ 1200	29.1	41.0	44.4	55.6	60.8	63.2	67.6	74.0	75.8	77.9	78.3	78.6	78.6	79.9	80.6	80.7
≥ 1000	29.9	42.3	45.9	57.1	62.7	65.2	70.4	76.8	78.6	80.7	81.0	81.4	81.4	82.7	83.3	83.5
≥ 900	30.7	43.1	46.7	58.3	64.2	66.8	72.5	79.1	81.2	83.3	83.7	84.0	84.0	85.3	85.9	86.1
≥ 800	31.4	44.0	47.5	59.8	66.3	69.1	76.1	83.2	85.3	87.4	87.7	88.1	88.1	89.4	90.0	90.2
≥ 700	31.4	44.3	48.0	60.5	67.5	70.3	77.8	85.0	87.1	89.7	90.0	90.4	90.4	91.7	92.3	92.5
≥ 600	32.0	44.9	48.7	61.1	68.1	70.9	78.6	85.9	88.1	91.3	91.7	92.0	92.0	93.3	94.0	94.1
≥ 500	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4
≥ 400	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4
≥ 300	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4
≥ 200	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4
≥ 100	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4
≥ 0	32.0	45.1	48.9	61.8	68.8	71.6	79.4	86.8	89.9	93.6	94.0	94.3	94.3	95.6	96.2	96.4

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
AFETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 107450 S H. AEBISCH HALL AAF DL

74-83

YEARS

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE10	26 GE26	25 GE25	24 GE24	23 GE23	22 GE22	21 GE21	20 GE20	19 GE19	18 GE18	17 GE17	16 GE16	15 GE15	14 GE14	13 GE13	12 GE12
NO CEILING ≥ 20000	5.7	8.6	12.1	13.4	14.6	16.9	18.1	18.6	19.4	19.4	20.0	20.2	20.5	20.7	20.7	20.7
IV 18000	0.0	12.2	13.2	16.5	18.1	19.4	21.8	23.1	23.5	24.3	24.3	25.0	25.1	25.4	25.8	25.8
IV 16000	0.0	12.2	13.2	16.5	18.1	19.4	21.8	23.1	23.5	24.3	24.3	25.0	25.1	25.4	25.8	25.8
IV 14000	1.3	12.6	13.5	16.9	18.4	19.7	22.1	23.4	23.8	24.6	24.6	25.3	25.4	25.8	26.1	26.1
IV 12000	1.0	13.4	14.3	17.6	19.2	20.5	22.9	24.2	24.6	25.4	25.4	26.1	26.2	26.7	27.0	27.0
IV 10000	1.3	14.6	15.6	19.4	21.0	22.6	25.1	26.6	27.7	28.0	28.0	28.6	28.8	29.3	29.6	29.6
IV 9000	1.3	15.7	16.9	20.7	22.3	23.8	26.4	27.8	28.3	29.3	29.3	29.9	30.0	30.5	30.8	30.8
IV 8000	1.4	16.3	19.2	23.1	24.6	26.2	28.9	30.4	30.8	31.8	31.8	32.4	32.6	33.1	33.5	33.5
IV 7000	1.4	19.9	20.8	24.8	26.4	28.0	31.1	32.4	32.9	33.9	33.9	34.5	34.7	35.1	35.6	35.6
IV 6000	16.4	19.9	21.8	25.0	26.6	28.1	31.2	32.6	33.1	34.0	34.0	34.7	34.8	35.3	35.8	35.8
IV 5000	16.4	21.3	21.6	26.1	27.8	29.4	32.4	33.9	34.3	35.3	35.3	35.9	36.1	36.6	37.0	37.0
IV 4500	18.6	22.3	23.5	28.0	29.9	31.5	34.7	36.4	36.9	37.8	37.8	38.5	38.6	39.1	39.6	39.6
IV 4000	21.5	24.5	25.8	30.4	32.4	34.0	37.5	39.3	39.7	40.7	40.7	41.3	41.5	42.1	42.4	42.4
IV 3500	22.3	26.9	28.3	33.4	35.8	37.5	41.2	43.1	43.6	44.5	44.5	45.2	45.3	45.8	46.3	46.3
IV 3000	23.5	29.1	30.7	36.1	38.6	40.4	44.7	47.1	47.9	48.8	48.8	49.4	49.6	50.1	50.6	50.6
IV 2500	25.4	31.3	31.9	39.0	41.5	43.2	47.2	50.7	51.5	52.5	52.5	53.1	53.3	53.7	54.2	54.2
IV 2000	29.1	35.5	37.4	43.9	46.4	48.2	53.3	57.1	58.0	59.0	59.0	59.6	59.8	60.3	60.7	60.7
IV 1800	30.0	36.7	39.0	45.5	48.7	49.8	54.8	59.3	59.9	60.9	60.9	61.5	61.7	62.2	62.8	63.0
IV 1500	31.1	40.5	43.1	50.7	53.3	55.0	60.3	64.5	65.5	66.6	66.6	67.2	67.4	67.9	68.5	68.7
IV 1200	31.1	43.2	45.9	54.7	57.9	59.8	65.5	69.8	70.9	72.5	72.5	73.1	73.3	73.8	74.4	74.6
IV 1000	36.6	45.8	48.6	59.1	62.6	64.7	70.9	75.7	76.9	78.9	78.9	79.5	79.7	80.1	80.8	80.9
IV 900	37.6	47.1	50.1	61.2	65.2	67.2	73.9	78.9	80.3	82.2	82.2	82.8	83.7	83.5	84.1	84.3
IV 800	38.6	48.3	52.1	63.4	67.4	70.1	77.1	82.7	84.1	86.2	86.2	86.8	87.1	87.6	88.2	88.4
IV 700	39.0	48.5	52.3	64.2	69.0	71.4	79.7	86.0	87.6	89.7	89.7	90.3	90.8	91.3	91.9	92.1
IV 600	39.1	48.6	52.6	65.5	70.4	72.8	81.4	88.6	90.3	92.4	92.4	93.0	93.6	94.1	94.8	94.9
IV 500	39.1	48.6	52.9	65.7	71.6	73.0	81.7	90.0	91.7	94.3	94.3	95.1	95.7	96.3	97.1	97.3
IV 400	39.1	48.6	52.9	65.7	71.6	73.0	81.9	90.5	92.4	95.1	95.2	95.9	96.5	97.1	98.1	98.3
IV 300	39.1	48.6	52.9	65.7	71.6	73.0	81.9	90.5	92.5	95.2	95.4	96.0	96.7	97.3	98.3	98.4
IV 200	39.1	48.6	52.9	65.7	71.6	73.0	81.9	90.5	92.5	95.2	95.4	96.0	96.7	97.3	98.4	98.4
IV 100	39.1	48.6	52.9	65.7	71.6	73.0	81.9	90.5	92.5	95.2	95.4	96.0	96.7	97.3	98.4	98.4
IV 0	39.1	48.6	52.9	65.7	71.6	73.0	81.9	90.5	92.5	95.2	95.4	96.0	96.7	97.3	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 629

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 457
STATION

SCHAEBI CH HALL AAF DL
STATION NAME

74-83
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12,0-14,0
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	≥10 GT 9	≥6 EC 90	≥5 GE 87	≥4 GE 69	≥3 GE 48	≥2.5 GE 40	≥2 GE 32	≥1.5 GE 24	≥1 GE 16	≥0.5 GE 12	≥0.25 GE 10	≥0.15 GE 8	≥0.1 GE 6	≥0.05 GE 5	≥0.025 GE 4	≥0.01 GE 3	≥10 GT 9	≥6 EC 90	≥5 GE 87	≥4 GE 69	≥3 GE 48	≥2.5 GE 40	≥2 GE 32	≥1.5 GE 24	≥1 GE 16	≥0.5 GE 12	≥0.25 GE 10	≥0.15 GE 8	≥0.1 GE 6	≥0.05 GE 5	≥0.025 GE 4	≥0.01 GE 3
≥20000	0.1	9.5	9.8	15.2	17.3	17.7	19.	19.3	19.5	20.4	20.8	20.8	20.8	20.8	20.8	20.8	0.1	13.3	14.1	19.7	21.9	22.3	23.4	24.2	24.9	26.1	26.6	26.6	26.6	26.6	26.6	26.6
≥18000	0.1	13.5	14.3	19.8	22.7	22.5	23.4	24.4	25.0	26.3	26.8	26.8	26.8	26.8	26.8	26.8	0.1	13.5	14.4	20.0	22.2	22.7	24.1	24.6	25.2	26.5	26.9	26.9	26.9	26.9	26.9	26.9
≥16000	0.1	13.4	14.4	20.0	22.2	22.7	24.1	24.6	25.2	26.5	26.9	26.9	26.9	26.9	26.9	26.9	0.1	13.4	14.4	20.0	22.2	22.7	24.1	24.6	25.2	26.5	26.9	26.9	26.9	26.9	26.9	26.9
≥14000	1.0	14.3	15.1	20.6	22.8	23.3	24.7	25.2	25.8	27.1	27.6	27.6	27.6	27.6	27.6	27.6	1.0	14.3	15.1	20.6	22.8	23.3	24.7	25.2	25.8	27.1	27.6	27.6	27.6	27.6	27.6	27.6
≥12000	12.0	16.7	16.8	22.3	24.6	25.1	26.5	26.9	27.6	28.8	29.3	29.3	29.3	29.3	29.3	29.3	12.0	16.7	16.8	22.3	24.6	25.1	26.5	26.9	27.6	28.8	29.3	29.3	29.3	29.3	29.3	29.3
≥10000	13.3	17.4	18.2	24.2	26.5	26.9	28.4	28.8	29.5	30.7	31.2	31.2	31.2	31.2	31.2	31.2	13.3	17.4	18.2	24.2	26.5	26.9	28.4	28.8	29.5	30.7	31.2	31.2	31.2	31.2	31.2	31.2
≥9000	14.3	18.4	19.2	25.2	27.4	27.9	29.3	29.8	30.4	31.7	32.2	32.2	32.2	32.2	32.2	32.2	14.3	18.4	19.2	25.2	27.4	27.9	29.3	29.8	30.4	31.7	32.2	32.2	32.2	32.2	32.2	32.2
≥8000	17.7	22.5	23.3	29.5	31.7	32.2	33.8	34.2	34.7	36.3	36.8	36.8	36.8	36.8	36.8	36.8	17.7	22.5	23.3	29.5	31.7	32.2	33.8	34.2	34.7	36.3	36.8	36.8	36.8	36.8	36.8	36.8
≥7000	17.3	24.2	25.1	31.2	33.4	33.9	36.1	36.6	37.2	38.7	39.1	39.1	39.1	39.1	39.1	39.1	17.3	24.2	25.1	31.2	33.4	33.9	36.1	36.6	37.2	38.7	39.1	39.1	39.1	39.1	39.1	39.1
≥6000	17.7	24.4	25.4	31.5	33.8	34.2	36.5	36.9	37.6	39.0	39.5	39.5	39.5	39.5	39.5	39.5	17.7	24.4	25.4	31.5	33.8	34.2	36.5	36.9	37.6	39.0	39.5	39.5	39.5	39.5	39.5	39.5
≥5000	17.7	24.5	27.3	33.6	35.8	36.3	38.5	39.0	39.6	41.0	41.5	41.5	41.5	41.5	41.5	41.5	17.7	24.5	27.3	33.6	35.8	36.3	38.5	39.0	39.6	41.0	41.5	41.5	41.5	41.5	41.5	41.5
≥4500	22.0	27.6	28.4	34.7	36.9	37.4	39.8	40.3	40.9	42.3	42.8	42.8	42.8	42.8	42.8	42.8	22.0	27.6	28.4	34.7	36.9	37.4	39.8	40.3	40.9	42.3	42.8	42.8	42.8	42.8	42.8	42.8
≥4000	24.2	30.3	31.1	37.7	39.9	40.4	43.1	43.6	44.2	45.6	46.1	46.1	46.1	46.1	46.1	46.1	24.2	30.3	31.1	37.7	39.9	40.4	43.1	43.6	44.2	45.6	46.1	46.1	46.1	46.1	46.1	46.1
≥3500	26.1	32.2	33.1	39.9	42.5	42.9	45.6	46.3	46.9	48.3	48.8	48.8	48.8	48.8	48.8	48.8	26.1	32.2	33.1	39.9	42.5	42.9	45.6	46.3	46.9	48.3	48.8	48.8	48.8	48.8	48.8	48.8
≥3000	27.6	34.2	35.2	43.3	45.8	46.4	49.3	49.9	50.9	52.5	52.9	52.9	52.9	52.9	52.9	52.9	27.6	34.2	35.2	43.3	45.8	46.4	49.3	49.9	50.9	52.5	52.9	52.9	52.9	52.9	52.9	52.9
≥2500	30.1	37.2	38.8	47.5	50.4	51.2	54.0	54.8	55.8	57.5	58.0	58.0	58.0	58.0	58.0	58.0	30.1	37.2	38.8	47.5	50.4	51.2	54.0	54.8	55.8	57.5	58.0	58.0	58.0	58.0	58.0	58.0
≥2000	32.5	40.4	42.7	51.3	54.2	55.0	58.2	59.4	60.4	62.1	62.6	62.6	62.6	62.6	62.6	62.6	32.5	40.4	42.7	51.3	54.2	55.0	58.2	59.4	60.4	62.1	62.6	62.6	62.6	62.6	62.6	62.6
≥1800	33.3	41.5	43.1	52.8	55.6	56.4	59.6	60.9	61.8	63.5	64.0	64.0	64.0	64.0	64.0	64.0	33.3	41.5	43.1	52.8	55.6	56.4	59.6	60.9	61.8	63.5	64.0	64.0	64.0	64.0	64.0	64.0
≥1500	37.6	46.3	48.5	58.3	61.8	62.6	66.2	67.5	68.5	70.4	70.8	70.8	70.8	70.8	70.8	70.8	37.6	46.3	48.5	58.3	61.8	62.6	66.2	67.5	68.5	70.4	70.8	70.8	70.8	70.8	70.8	70.8
≥1200	40.4	49.4	52.1	62.6	66.4	67.4	71.6	73.7	74.6	76.7	77.2	77.2	77.2	77.2	77.2	77.2	40.4	49.4	52.1	62.6	66.4	67.4	71.6	73.7	74.6	76.7	77.2	77.2	77.2	77.2	77.2	77.2
≥1000	42.5	52.8	55.9	68.5	72.7	73.7	78.3	81.0	82.1	84.8	85.3	85.3	85.3	85.3	85.3	85.3	42.5	52.8	55.9	68.5	72.7	73.7	78.3	81.0	82.1	84.8	85.3	85.3	85.3	85.3	85.3	85.3
≥900	43.3	53.4	56.6	70.0	74.3	75.4	80.3	83.0	84.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6	43.3	53.4	56.6	70.0	74.3	75.4	80.3	83.0	84.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6
≥800	43.3	54.7	57.5	71.3	75.9	77.3	82.7	85.4	87.0	89.7	90.2	90.2	90.2	90.2	90.2	90.2	43.3	54.7	57.5	71.3	75.9	77.3	82.7	85.4	87.0	89.7	90.2	90.2	90.2	90.2	90.2	90.2
≥700	43.7	54.8	58.3	73.2	78.4	80.2	85.4	88.7	90.3	93.0	93.5	93.7	94.0	94.0	94.0	94.0	43.7	54.8	58.3	73.2	78.4	80.2	85.4	88.7	90.3	93.0	93.5	93.7	94.0	94.0	94.0	94.0
≥600	43.7	54.8	58.3	73.9	79.4	81.1	87.0	90.0	91.8	94.5	94.9	95.2	95.6	95.7	95.7	95.7	43.7	54.8	58.3	73.9	79.4	81.1	87.0	90.0	91.8	94.5	94.9	95.2	95.6	95.7	95.7	95.7
≥500	43.7	54.8	58.3	74.0	79.7	81.5	88.0	91.1	93.3	96.4	96.8	97.3	97.6	97.8	97.8	97.8	43.7	54.8	58.3	74.0	79.7	81.5	88.0	91.1	93.3	96.4	96.8	97.3	97.6	97.8	97.8	97.8
≥400	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.7	97.1	97.8	98.3	98.4	98.4	98.4	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.7	97.1	97.8	98.3	98.4	98.4	98.4
≥300	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.6	98.6	98.6	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.6	98.6	98.6
≥200	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.7	98.7	98.7	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.7	98.7	98.7
≥100	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.9	98.9	98.9	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.9	98.9	98.9
≥0	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.9	98.9	98.9	43.7	54.8	58.3	74.3	80.0	81.8	88.3	91.4	93.7	96.8	97.3	97.9	98.4	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 611

CEILING VERSUS VISIBILITY

'4-8'



~~1500-1700~~

TOTAL NUMBER OF OBSERVATIONS _____ 625

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 457 SCHWABEICH HALL AAF DL

74-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1930-2000

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)							
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10	11	12	13	14	15	16	17
25000	5.4	8.2	8.6	14.1	16.6	17.3	19.5	20.3	21.6	23.5	27.9	24.1	24.1	24.6	24.6	24.6								
24000	5.4	11.4	11.0	17.8	20.7	22.1	23.5	25.3	26.6	28.5	28.9	29.1	29.1	29.6	29.6	29.6								
23000	5.4	11.4	12.5	18.5	21.4	22.8	24.2	26.0	27.3	29.2	29.6	29.8	29.8	30.3	30.3	30.3								
22000	5.4	11.4	12.5	18.5	21.4	22.8	24.2	26.0	27.3	29.2	29.6	29.8	29.8	30.3	30.3	30.3								
21000	5.4	11.9	13.0	19.1	21.0	23.4	24.8	26.6	27.8	29.8	30.1	30.3	30.3	30.8	30.8	30.8								
20000	5.4	12.0	13.9	20.0	22.8	24.2	25.7	27.5	28.7	30.7	31.0	31.2	31.2	31.7	31.7	31.7								
19000	5.4	13.9	15.5	21.6	24.8	26.2	27.6	29.4	30.7	32.6	33.2	33.3	33.3	33.9	33.9	33.9								
18000	11.4	17.5	20.5	26.4	29.6	31.0	32.4	34.2	35.5	37.4	38.7	38.1	38.1	38.7	38.7	38.7								
17000	12.7	18.2	21.0	27.5	30.8	32.4	33.9	35.8	37.3	39.2	39.8	39.9	39.9	40.5	40.5	40.5								
16000	12.7	18.2	21.0	27.5	30.8	32.4	33.9	35.8	37.3	39.2	39.8	39.9	39.9	40.5	40.5	40.5								
15000	12.7	18.2	21.0	27.5	30.8	32.4	33.9	35.8	37.3	39.2	39.8	39.9	39.9	40.5	40.5	40.5								
14000	14.1	20.7	24.1	30.5	33.9	36.7	37.4	39.4	40.9	42.8	43.3	43.5	43.5	44.0	44.0	44.0								
13000	14.1	21.6	25.3	32.3	36.5	38.7	40.1	42.1	43.5	45.5	46.7	46.2	46.2	46.7	46.7	46.7								
12000	14.1	25.7	29.9	37.3	41.7	43.9	45.3	47.4	48.8	50.8	51.3	51.5	51.5	52.0	52.0	52.0								
11000	20.3	28.2	32.4	40.6	45.1	47.2	48.7	51.0	52.4	54.4	54.9	55.1	55.1	55.6	55.6	55.6								
10000	21.4	30.1	34.4	43.3	47.8	50.4	52.7	54.4	55.8	57.8	58.3	58.5	58.5	59.0	59.0	59.0								
9000	23.4	32.0	37.3	46.9	51.9	54.5	56.1	58.8	60.2	62.2	62.7	62.9	63.5	64.0	64.0	64.0								
8000	24.2	34.2	38.7	49.0	54.0	56.7	58.3	61.1	62.6	64.5	65.1	65.2	65.8	66.3	66.3	66.3								
7000	25.1	35.7	41.2	51.9	57.2	59.9	61.7	64.5	66.7	67.9	68.4	68.6	69.2	69.7	69.7	69.7								
6000	27.6	38.7	44.9	56.1	62.6	65.8	68.4	71.8	73.3	75.4	75.9	76.1	76.6	77.2	77.2	77.2								
5000	28.7	40.3	46.9	60.6	67.7	71.1	75.0	79.1	80.7	83.8	84.3	84.5	85.0	85.6	85.6	85.6								
4000	29.2	40.8	47.8	62.9	70.1	73.4	77.5	81.6	83.4	86.5	87.0	87.2	87.7	88.4	88.4	88.4								
3000	29.8	41.5	48.5	63.8	70.9	74.3	79.1	83.8	85.6	88.8	89.3	89.5	90.0	90.7	90.7	90.7								
2000	29.8	42.1	49.2	64.9	72.0	75.4	80.2	85.0	87.2	90.7	91.6	91.8	92.3	93.0	93.0	93.0								
1000	29.8	42.1	49.2	64.9	72.2	75.8	80.6	86.1	88.2	91.8	92.7	93.0	93.6	94.3	94.3	94.3								
500	29.8	42.1	49.2	64.9	72.5	76.1	80.9	86.8	89.1	92.7	93.8	94.1	94.8	95.7	95.7	95.7								
200	29.8	42.1	49.2	64.9	72.5	76.3	81.1	87.0	90.0	93.6	94.8	95.2	95.9	96.8	97.0	97.1								
100	29.8	42.1	49.2	64.9	72.5	76.3	81.1	87.2	90.2	94.1	95.5	96.1	96.8	98.2	98.8	99.1								
50	29.8	42.1	49.2	64.9	72.5	76.3	81.1	87.2	90.2	94.1	95.5	96.1	97.3	98.9	99.5	100.0								
0	29.8	42.1	49.2	64.9	72.5	76.3	81.1	87.2	90.2	94.1	95.5	96.1	97.3	98.9	99.5	100.0								

TOTAL NUMBER OF OBSERVATIONS 561

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR FORCE THER SERVICE/MAC

CEILING VERSUS VISIBILITY

1450 SCHWABERICH HALL AAF DL

77-83

145

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2100	5.8	6.7	12.5	17.3	2.2	27.1	23.1	25.0	27.9	27.9	28.8	28.8	28.8	28.8	29.8	29.8
2000	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1800	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1600	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1400	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1200	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1000	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
800	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
600	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
400	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
200	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
100	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
50	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
25	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
10	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
5	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
2	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6
1	5.8	7.7	8.7	15.4	21.2	25.0	27.9	28.8	30.8	33.7	33.7	34.6	34.6	34.6	35.6	35.6

TOTAL NUMBER OF OBSERVATIONS 108

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

74-87

143

All

TOTAL NUMBER OF OBSERVATIONS 3162

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4502 301 AFB TCH HALL AAF DL

74-87

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-6600

CEILING FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	11.3	16.4	19.2	21.6	23.7	24.1	24.8	26.1	28.8	29.2	29.2	29.2	29.4	29.6	31.1	31.5
8000	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
6000	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
4000	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
2000	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
1000	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
800	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
600	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
400	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
200	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
100	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
80	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
60	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
40	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
20	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
10	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
8	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
6	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
4	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
2	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2
1	11.3	17.3	20.4	24.6	26.7	27.1	27.8	31.3	32.7	32.4	32.4	32.6	32.7	33.1	33.8	35.2

TOTAL NUMBER OF OBSERVATIONS 565

CEILING CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 40 SCHAEFELICH HALL AAF DL

74-67

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-7-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1 1000	1.3	23.4	27.9	26.7	29.3	31.2	31.9	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2 800	1.9	27.4	28.3	32.1	35.3	36.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.9	38.9
3 600	2.1	24.1	29.0	32.8	36.0	37.0	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.6
4 400	2.1	24.1	29.0	32.8	36.0	37.0	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.6
5 200	2.5	28.1	29.7	32.8	36.0	37.0	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.6	39.6	39.6
6 000	2.0	2.3	29.1	33.1	36.3	37.3	39.1	39.6	39.6	39.6	39.6	39.6	39.6	40.0	40.0	40.0
7 800	21.1	25.3	30.2	34.2	37.5	38.6	41.3	41.0	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2
8 600	2.1	30.2	31.1	35.3	38.6	39.6	41.4	42.1	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.4
9 400	2.4	32.6	33.5	36.4	41.7	42.8	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2
10 200	23.1	33.2	34.1	38.9	42.2	43.5	46.1	46.6	47.1	47.3	47.3	47.3	47.3	47.5	47.5	47.5
11 000	2.4	33.7	34.6	39.6	42.9	44.2	46.8	47.5	47.8	48.0	48.0	48.0	48.0	48.2	48.2	48.2
12 800	2.1	34.4	35.3	40.3	43.6	44.9	47.5	48.2	48.5	48.7	48.7	48.7	48.7	48.9	48.9	48.9
13 600	26.1	36.1	37.0	42.4	45.7	46.9	49.6	50.4	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.1
14 400	2.4	37.7	38.6	44.1	47.5	48.7	51.7	53.1	53.6	53.8	53.8	53.8	53.8	53.9	53.9	53.9
15 200	3.1	40.8	41.7	47.6	51.1	52.4	55.7	57.1	57.6	57.9	57.9	57.9	57.9	58.3	58.3	58.3
16 000	22.5	42.1	44.1	51.1	54.6	55.8	59.3	61.7	61.3	61.8	61.8	61.8	61.8	62.3	62.3	62.3
17 800	3.5	44.3	45.5	52.5	56.5	58.1	62.1	64.0	64.6	65.1	65.1	65.1	65.1	65.6	65.6	65.6
18 600	34.1	46.8	48.0	55.8	60.0	62.0	66.1	68.1	68.6	69.1	69.1	69.1	69.1	69.6	69.6	69.6
19 400	35.4	47.8	49.2	57.2	61.4	63.4	67.7	69.6	70.2	70.7	70.7	70.7	70.7	71.2	71.2	71.2
20 200	37.9	5.8	52.4	61.3	66.0	67.9	72.8	75.6	76.1	76.6	76.6	76.6	76.6	77.1	77.1	77.1
21 000	1.4	52.2	54.1	63.5	68.6	70.7	76.1	79.2	79.9	80.3	80.5	80.6	81.0	81.0	81.0	81.0
22 800	37.1	53.2	55.5	65.4	71.2	73.6	79.8	83.8	84.3	84.6	85.2	85.3	85.7	85.9	85.9	85.9
23 600	39.1	3.2	55.5	65.8	71.7	74.3	81.0	85.2	85.7	86.2	86.6	86.7	87.1	87.3	87.3	87.3
24 400	37.1	53.6	56.4	67.0	74.0	76.6	83.4	88.8	89.7	90.2	90.6	91.0	91.1	91.3	91.3	91.3
25 200	37.1	53.3	56.5	67.7	74.7	77.3	84.6	90.9	92.3	92.8	93.2	93.4	94.1	94.4	94.4	94.4
26 000	37.1	53.3	56.5	68.2	75.6	78.2	85.5	92.3	93.7	94.2	94.6	94.9	95.6	96.0	96.0	96.0
27 800	37.1	53.3	56.5	68.2	75.6	78.5	85.9	93.2	94.8	95.8	96.3	96.7	97.4	97.7	98.3	98.3
28 600	37.1	53.3	56.5	68.2	75.6	78.5	85.9	93.9	95.5	96.7	97.2	97.6	98.3	98.8	99.5	99.5
29 400	37.1	53.6	56.5	68.2	75.6	78.5	86.0	94.2	95.8	97.0	97.6	97.9	98.6	99.1	99.8	99.8
30 200	37.1	53.8	56.5	68.2	75.6	78.5	86.0	94.2	95.8	97.0	97.6	97.9	98.6	99.3	100.0	100.0
31 000	3.1	53.8	56.5	68.2	75.6	78.5	86.0	94.2	95.8	97.0	97.6	97.9	98.6	99.3	100.0	100.0
32 800	37.1	53.8	56.5	68.2	75.6	78.5	86.0	94.2	95.8	97.0	97.6	97.9	98.6	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 573

USAF ETAC 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 487 SCHAEFFELICH HALL AAF CL

77-83

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01-02-2300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
2 2000	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1800	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1600	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1400	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1200	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1000	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 800	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 600	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 400	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 200	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 100	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 50	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 0	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 2000	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1800	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1600	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1400	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1200	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1000	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 800	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 600	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 400	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 200	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 100	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 50	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 0	23.5	28.4	30.4	34.3	37.3	38.2	40.2	46.1	46.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS 102

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1-450 SCHAEFFER HALL AAF DL

74-57

EEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET		VISIBILITY STATUTE MILES												OR (IN HUNDREDS OF METERS)											
		210	200	250	240	230	220	210	200	250	240	230	220	210	200	250	240	230	220						
25000	2	16.1	21.5	23.1	26.7	29.5	29.1	30.3	32.3	32.8	33.0	33.0	33.0	33.0	33.1	33.2	33.3	33.3	33.7						
20000	2	16.2	24.4	26.2	31.9	33.4	34.2	35.6	37.7	38.2	38.4	38.4	38.4	38.4	38.5	38.6	38.7	38.9	39.3						
15000	2	16.6	24.9	26.6	31.3	33.8	34.6	36.7	38.2	38.6	38.8	38.8	38.8	38.9	39.0	39.1	39.3	39.7	39.7						
10000	2	16.7	25.1	26.7	31.4	34.0	34.8	36.3	38.4	38.8	39.0	39.1	39.1	39.1	39.2	39.4	39.6	40.0	40.0						
5000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
0	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
25000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
20000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
15000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
10000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
5000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
0	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
25000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
20000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
15000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
10000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
5000	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						
0	2	21.0	27.0	29.7	33.8	36.5	37.3	38.9	41.1	41.6	41.8	41.8	41.8	41.9	42.0	42.1	42.3	42.7	42.7						

TOTAL NUMBER OF OBSERVATIONS 2922

CLIMATE CLIMATOLOGY BRANCH
ETAC
AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 45 SCHAEBISCH HALL AAF OL

74-83

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

622-2830

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	12.1	15.1	17.9	20.8	21.8	21.8	23.8	25.2	25.5	26.1	26.1	26.3	26.3	26.9	27.1	27.5
≥ 2000	15.6	14.1	22.2	25.8	26.7	26.7	28.8	30.3	30.8	31.7	31.7	31.9	31.9	32.5	32.7	33.6
≥ 1800	15.6	14.1	22.2	25.8	26.9	26.9	28.9	30.5	30.9	31.9	31.9	32.0	32.0	32.7	32.8	33.7
≥ 1600	15.7	15.3	22.4	26.1	27.1	27.1	29.1	30.6	31.1	32.2	32.2	32.3	32.3	33.1	33.1	34.1
≥ 1400	15.7	19.4	22.6	26.1	27.2	27.2	29.2	30.8	31.7	32.3	32.3	32.5	32.5	33.1	33.3	34.2
≥ 1200	15.5	20.2	23.3	27.1	28.3	28.3	30.5	32.3	32.9	33.9	33.9	34.1	34.1	34.7	34.8	35.8
≥ 1000	17.3	21.5	24.6	29.1	30.8	30.8	33.1	35.1	35.8	36.9	36.9	37.0	37.0	37.6	37.8	38.9
≥ 900	16.8	23.2	26.7	31.4	33.1	33.1	35.5	37.5	38.4	39.5	39.5	39.7	39.7	40.3	40.4	41.5
≥ 800	22.1	26.5	31.5	35.8	37.5	37.5	39.8	41.8	42.8	44.0	44.0	44.5	44.5	45.3	45.4	46.5
≥ 700	24.3	29.2	33.1	38.4	40.3	40.3	42.6	44.6	45.6	46.8	46.8	47.3	47.3	48.1	48.2	49.3
≥ 600	27.2	31.3	34.2	39.8	41.7	41.7	44.1	46.0	47.1	48.2	48.2	48.7	48.7	49.5	49.6	50.7
≥ 500	27.3	31.7	35.6	41.5	43.4	43.4	45.7	47.7	48.7	49.9	49.9	50.5	50.5	51.3	51.5	52.6
≥ 450	27.1	32.5	36.4	42.6	44.5	44.5	47.0	49.0	49.9	51.2	51.2	51.6	51.6	52.6	52.7	53.8
≥ 400	29.1	34.8	38.9	45.4	47.4	47.4	50.2	52.4	53.3	54.6	54.6	55.1	55.1	56.1	56.1	57.2
≥ 350	31.3	37.0	41.2	48.7	51.2	51.3	54.3	56.5	57.5	58.8	58.8	59.3	59.3	60.5	60.7	61.7
≥ 300	31.7	38.3	42.3	51.1	54.1	54.3	57.4	59.6	60.7	61.9	61.9	62.4	62.4	63.6	63.8	64.9
≥ 250	34.2	41.5	46.2	54.9	58.2	58.5	61.9	64.5	65.6	67.1	67.1	67.5	67.5	68.7	68.9	70.0
≥ 200	37.2	44.6	49.5	58.9	62.7	63.0	66.7	70.1	71.1	72.6	72.6	73.1	73.1	74.3	74.5	75.6
≥ 180	37.5	45.3	50.2	59.7	63.6	63.9	67.7	70.9	72.0	73.6	73.6	74.0	74.0	75.3	75.4	76.5
≥ 150	38.6	47.3	52.4	62.2	66.6	66.9	70.8	74.5	75.9	77.6	77.6	78.1	78.1	79.3	79.5	80.6
≥ 120	41.1	49.9	55.1	65.8	70.5	70.8	74.8	78.5	80.1	81.8	81.8	82.3	82.3	83.8	84.0	85.1
≥ 100	41.5	50.5	56.3	68.4	73.4	73.7	78.2	82.0	83.5	85.4	85.4	85.8	85.8	87.4	87.6	88.6
≥ 90	41.7	50.9	56.8	69.2	74.5	74.8	79.1	82.9	84.6	86.6	86.6	87.3	87.3	89.0	89.1	90.1
≥ 80	41.7	50.9	56.8	69.5	75.1	75.6	80.1	84.0	85.8	88.2	88.2	89.0	89.0	90.8	91.0	92.1
≥ 70	41.7	50.9	56.8	70.0	75.6	76.4	82.4	87.7	89.4	91.6	91.6	92.1	92.1	93.6	93.8	94.9
≥ 60	41.7	50.9	56.8	70.0	75.7	76.5	82.7	88.2	90.0	92.2	92.2	92.7	92.7	94.2	94.4	95.6
≥ 50	41.7	50.9	56.8	70.3	75.9	76.7	82.9	88.3	91.0	93.5	93.5	94.2	94.2	95.8	96.0	97.2
≥ 40	41.7	50.9	56.8	70.3	76.0	76.8	83.1	88.8	91.4	94.2	94.2	94.6	94.6	96.4	96.7	98.0
≥ 30	41.7	50.9	56.8	70.3	76.0	76.8	83.0	89.0	91.8	94.7	94.7	95.0	95.0	96.8	97.2	98.9
≥ 20	41.7	50.9	56.8	70.3	76.0	76.8	83.0	89.0	91.8	94.7	94.7	95.0	95.0	96.8	97.2	98.9
≥ 10	41.7	50.9	56.8	70.3	76.0	76.8	83.0	89.0	91.8	94.7	94.7	95.0	95.0	96.8	97.2	98.9
≥ 0	41.7	50.9	56.8	70.3	76.0	76.8	83.0	89.0	91.8	94.7	94.7	95.0	95.0	96.8	97.2	98.9

TOTAL NUMBER OF OBSERVATIONS 693

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE (MAC)

CEILING VERSUS VISIBILITY

1452 SCHAEFELICH HALL AAF DL

74-83

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1936-1100

ELEVATION FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	10.7	13.9	15.2	18.9	20.4	20.8	22.3	23.2	23.2	23.4	23.4	23.4	23.4	23.5	23.5	23.5
≥ 20000	10.3	21.1	22.3	27.3	29.0	29.4	31.4	32.6	32.7	32.9	32.9	32.9	32.9	33.0	33.2	33.3
≥ 18000	10.6	21.4	23.1	27.6	29.3	29.7	31.7	32.9	33.0	33.2	33.2	33.2	33.2	33.3	33.5	33.6
≥ 16000	17.2	22.2	24.1	28.5	30.2	30.6	32.4	33.8	33.9	34.1	34.1	34.1	34.1	34.2	34.4	34.5
≥ 14000	17.5	22.5	24.3	29.0	30.6	31.1	33.7	34.2	34.4	34.5	34.5	34.5	34.5	34.7	34.8	35.0
≥ 12000	13.9	24.1	25.3	30.6	32.3	32.7	34.8	36.1	36.2	36.3	36.3	36.3	36.3	36.5	36.7	36.8
≥ 10000	20.2	25.8	28.1	33.0	34.8	35.4	37.7	38.9	39.1	39.2	39.2	39.2	39.2	39.4	39.7	39.8
≥ 9000	21.4	27.5	29.9	35.0	36.8	37.6	39.8	41.0	41.2	41.3	41.3	41.3	41.3	41.5	41.8	41.9
≥ 8000	21.4	30.8	33.8	39.4	41.3	42.1	44.3	45.6	45.7	45.9	46.0	46.0	46.0	46.2	46.5	46.6
≥ 7000	25.2	32.7	35.7	41.8	43.7	44.5	46.9	48.1	48.3	48.4	48.6	48.6	48.6	48.7	49.0	49.2
≥ 6000	25.5	33.0	36.1	42.1	44.0	44.8	47.2	48.6	48.7	48.9	49.0	49.0	49.0	49.2	49.5	49.6
≥ 5000	27.6	34.1	37.1	43.4	45.4	46.2	48.9	50.2	50.4	50.5	50.7	50.7	50.7	50.8	51.1	51.3
≥ 4500	27.4	35.0	38.0	44.3	46.3	47.1	49.9	51.3	51.4	51.6	51.7	51.7	51.7	51.9	52.2	52.3
≥ 4000	31.2	36.1	41.7	48.0	50.1	50.8	53.7	55.2	55.4	55.5	55.7	55.7	55.7	55.8	56.1	56.3
≥ 3500	33.4	40.9	44.7	51.6	53.8	54.6	57.5	59.0	59.1	59.3	59.4	59.4	59.4	59.6	59.9	60.0
≥ 3000	33.7	44.5	48.1	56.7	59.3	60.2	63.2	64.7	64.9	65.0	65.2	65.2	65.2	65.5	65.9	66.1
≥ 2500	33.2	46.8	50.4	59.6	62.4	63.5	67.3	68.9	69.1	69.2	69.5	69.5	69.5	69.8	70.0	70.4
≥ 2000	40.6	49.6	53.4	63.2	66.4	67.4	71.3	73.2	73.3	73.5	73.8	73.8	73.8	74.1	74.5	74.7
≥ 1800	41.6	50.7	54.4	64.4	67.6	68.6	72.5	74.4	74.5	74.7	75.0	75.0	75.0	75.3	75.4	75.9
≥ 1500	42.7	51.9	55.8	66.4	70.0	71.0	75.3	77.4	77.8	78.4	78.7	78.7	78.7	79.0	79.2	79.6
≥ 1200	40.2	55.1	59.1	70.7	75.4	76.5	81.7	83.1	83.6	84.3	84.8	84.9	84.9	85.2	85.4	85.8
≥ 1000	46.0	56.3	60.3	73.8	78.6	79.9	85.1	87.3	88.1	88.8	89.3	89.4	89.7	89.9	90.2	90.3
≥ 900	46.0	56.4	60.5	74.2	80.1	81.4	87.0	89.3	90.0	90.8	91.3	91.4	91.7	91.9	92.2	92.3
≥ 800	46.0	56.6	60.6	74.5	81.0	82.5	88.4	90.6	91.4	92.2	92.8	92.9	93.2	93.4	93.7	93.8
≥ 700	46.2	57.0	61.2	75.3	81.7	83.3	89.6	92.3	93.1	93.8	94.4	94.6	94.9	95.0	95.3	95.5
≥ 600	46.2	57.0	61.2	75.3	81.7	83.3	89.7	92.6	93.4	94.1	94.7	94.9	95.2	95.5	95.8	95.9
≥ 500	46.2	57.0	61.2	75.4	81.9	83.4	89.9	93.5	94.3	95.3	95.9	96.2	96.5	97.1	97.4	97.6
≥ 400	46.2	57.0	61.2	75.4	81.9	83.4	89.9	93.7	94.4	95.9	96.5	96.8	97.1	98.0	98.5	98.6
≥ 300	46.2	57.0	61.2	75.4	81.9	83.4	89.9	93.7	94.4	95.9	96.5	96.8	97.1	98.2	98.9	99.1
≥ 200	46.2	57.0	61.2	75.4	81.9	83.4	90.0	93.8	94.6	96.1	96.7	97.0	97.3	98.3	99.1	99.8
≥ 100	46.2	57.0	61.2	75.4	81.9	83.4	90.0	93.8	94.6	96.1	96.7	97.0	97.3	98.5	99.2	100.0
≥ 0	46.2	57.0	61.2	75.4	81.9	83.4	90.0	93.8	94.6	96.1	96.7	97.0	97.3	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 663

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 451 SCHWABISCH HALL AAF DL

74-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	26	25	24	23	22	22	21	21	21	21	21	21	21	21	21
	CT9	GF90	GF87	GF60	GF48	GF47	GF32	GF24	GF27	GF16	GF12	GF11	GF10	GF08	GF05	GF04
NO CEILING	16.6	20.8	21.4	24.0	24.6	24.6	24.6	24.7	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 2000	24.1	24.4	30.0	34.5	35.4	35.4	35.4	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 1800	24.7	30.1	30.9	35.4	36.3	36.3	36.3	36.5	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 1600	24.7	30.3	30.9	35.4	36.3	36.3	36.3	36.5	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 1400	24.9	30.6	31.2	35.7	36.7	36.7	36.7	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 1200	24.6	31.5	32.1	36.7	37.7	37.7	37.7	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1000	23.1	34.5	35.1	39.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 900	22.6	36.5	37.1	41.8	42.8	42.8	42.8	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 800	22.3	40.3	41.2	46.0	47.1	47.1	47.1	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 700	30.1	43.3	44.2	49.6	50.8	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 600	30.4	43.7	44.6	50.1	51.3	51.3	51.3	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 500	36.4	45.4	46.3	51.9	53.2	53.2	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 450	30.6	47.5	48.4	54.3	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 400	40.6	50.2	51.6	57.6	59.3	59.6	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 350	42.4	52.3	54.0	60.3	62.0	62.3	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 300	40.3	59.9	61.8	68.6	70.3	70.6	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 250	41.1	64.1	66.2	73.6	75.3	75.6	75.6	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 200	40.9	68.0	70.1	78.1	80.5	80.8	81.3	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 180	50.6	69.8	71.9	80.2	82.7	83.0	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 150	57.8	71.6	74.1	83.0	85.5	85.8	86.4	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 120	50.5	72.9	75.4	84.6	87.8	88.1	89.0	90.0	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 100	59.0	73.9	76.8	86.6	89.9	90.2	91.7	93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 90	59.0	74.1	77.1	86.9	90.5	90.8	92.3	93.7	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3
≥ 80	59.1	74.2	77.2	87.0	91.1	91.4	92.9	94.3	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9
≥ 70	59.3	74.5	77.7	87.8	92.2	92.6	94.4	95.9	96.2	96.5	96.7	96.7	96.7	96.8	96.8	96.8
≥ 60	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.1	97.4	97.9	98.0	98.2	98.2	98.3	98.3	98.3
≥ 50	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	98.6	98.8	98.9	98.9	99.1	99.1	99.1
≥ 40	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	99.1	99.7	99.8	99.8	100.0	100.0	100.0
≥ 30	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	99.1	99.7	99.8	99.8	100.0	100.0	100.0
≥ 20	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	99.1	99.7	99.8	99.8	100.0	100.0	100.0
≥ 10	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	99.1	99.7	99.8	99.8	100.0	100.0	100.0
≥ 0	59.4	74.7	77.8	87.9	92.3	92.9	95.0	97.4	97.7	99.1	99.7	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 463

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 457 SCHWABISCH HALL AAF DL

74-83

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.0-17.00

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO CEILING	21.7	26.3	27.1	28.1	29.5	28.5	28.5	29.7	29.7	29.0	29.7	29.0	29.0	29.0	29.0	29.0
≥ 20000	0.2	35.4	36.7	38.4	38.8	38.8	38.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 18000	3.3	36.2	37.4	39.1	39.6	39.6	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 16000	31.1	37.1	38.2	39.9	40.4	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	31.4	37.4	38.8	40.5	41.0	41.0	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 12000	32.1	38.2	39.6	41.6	42.1	42.1	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	35.1	42.5	43.9	45.9	46.4	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	35.5	43.5	44.8	47.3	47.8	47.8	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 8000	35.4	44.1	45.6	52.1	52.5	52.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 7000	35.5	51.6	53.2	55.8	56.4	56.4	56.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	44.5	53.0	54.5	57.2	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	44.2	54.9	56.4	59.5	60.2	60.2	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	44.2	57.5	59.0	63.0	63.8	63.8	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	44.7	60.7	62.2	66.3	67.0	67.0	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	43.3	63.3	64.9	69.3	70.1	70.1	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 3000	57.2	68.4	70.1	75.0	75.8	75.8	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	50.9	72.3	74.4	80.1	80.9	80.9	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2000	61.8	75.0	77.7	84.1	85.1	85.1	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	62.6	76.1	79.7	85.4	86.4	86.4	86.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1600	63.3	77.5	81.4	88.0	89.1	89.2	89.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1400	63.5	78.1	81.2	89.5	90.6	90.8	90.8	92.0	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.3
≥ 1200	63.9	79.2	82.9	92.3	93.4	93.5	93.7	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
≥ 1000	63.1	79.2	82.9	92.8	93.8	94.0	94.5	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1
≥ 900	63.1	79.4	83.1	92.9	94.0	94.1	94.6	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5
≥ 800	64.1	79.4	83.1	92.9	94.5	94.6	95.5	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4
≥ 700	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 600	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 500	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 400	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 300	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 200	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 100	64.1	79.4	83.1	92.9	94.5	94.8	95.8	97.7	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2
≥ 50	64.1	79.4	83.1	93.1	94.6	94.9	96.1	98.0	98.5	98.6	99.1	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 689

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
ETAC
AIR FATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1 45 SCHWABERICH HALL AAF DL

74-27

MAO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
20000	23.7	27.4	29.2	30.1	30.3	30.5	30.8	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
18000	1.3	36.1	37.9	41.2	41.5	41.7	42.0	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
16000	1.4	36.5	38.1	41.8	42.1	42.3	42.6	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
14000	31.4	37.3	39.1	42.3	42.6	42.8	43.1	43.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
12000	2.4	37.8	39.5	42.8	43.1	43.3	43.6	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
10000	32.1	38.2	40.0	43.6	44.1	44.2	44.6	45.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
8000	35.1	41.7	43.6	47.3	47.6	47.8	48.1	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
6000	37.6	44.8	45.1	48.9	49.3	49.4	49.8	50.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
4000	38.4	45.9	48.1	52.0	52.4	52.5	52.8	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2000	42.6	49.8	52.5	57.1	57.4	57.5	57.9	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
1000	44.1	51.5	54.5	59.1	59.3	59.5	59.8	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
500	44.4	52.4	55.3	60.0	60.3	60.5	60.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
250	47.2	54.5	58.0	63.9	64.2	64.5	65.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
150	47.8	57.1	60.8	67.4	67.7	68.1	68.7	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
100	48.1	59.2	63.1	70.2	70.7	71.0	71.8	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
75	48.6	64.3	68.2	75.9	76.5	76.8	77.6	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
50	51.1	67.3	71.3	80.4	81.4	81.7	82.7	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
25	51.3	68.7	72.7	82.8	84.3	84.6	86.2	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
15	51.8	70.2	74.4	85.1	86.9	87.2	88.8	90.4	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
10	51.9	70.8	75.4	86.5	88.5	89.1	90.9	92.5	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
5	52.0	70.8	75.9	87.0	89.5	90.0	92.2	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2	52.0	70.8	75.9	87.0	89.8	90.4	92.7	95.0	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1	52.0	70.8	75.9	87.0	90.0	90.8	93.2	95.5	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
0.5	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
0.25	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.1	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.05	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.025	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.01	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.005	52.0	70.8	75.9	87.2	90.1	90.9	94.7	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 617

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 45 SCHAEFELT HALL AAF DL

74-51

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1 20000	17.4	21.0	22.3	24.7	25.4	25.5	6.3	26.4	27.1	27.3	27.3	27.3	27.3	27.5	27.5	27.6
2 18000	23.7	28.5	3.1	33.6	34.4	34.6	35.5	26.3	36.5	36.7	36.7	36.8	36.8	36.9	37.0	37.2
3 16000	24.3	29.0	30.7	34.1	35.0	35.1	36.7	36.8	37.1	37.3	37.3	37.3	37.3	37.5	37.5	37.7
4 14000	24.4	29.4	31.1	34.6	35.5	35.6	36.5	37.3	37.5	37.8	37.8	37.8	37.8	38.0	38.0	38.2
5 12000	24.7	29.8	31.5	35.0	35.9	36.0	36.9	37.7	37.9	38.2	38.2	38.2	38.2	38.4	38.4	38.6
6 10000	24.5	3.7	32.4	36.1	37.0	37.2	38.1	39.0	39.2	39.5	39.5	39.5	39.5	39.7	39.7	39.9
7 8000	27.6	33.4	35.2	39.2	4.2	40.4	41.4	42.3	42.6	42.8	42.8	42.9	42.9	43.0	43.1	43.3
8 6000	2.8	34.9	36.9	41.1	42.2	42.3	43.3	44.3	44.6	44.9	44.9	44.9	44.9	45.0	45.1	45.4
9 4000	31.7	38.5	40.9	45.2	46.2	46.4	47.4	48.3	48.7	49.1	49.1	49.1	49.1	49.3	49.4	49.6
10 2000	37.4	41.5	43.9	4.7	49.9	50.0	51.1	52.0	52.3	52.6	52.7	52.8	52.8	52.9	53.0	53.3
11 1800	3.3	42.5	45.0	49.9	51.0	51.2	52.2	53.2	53.5	53.8	53.9	53.9	53.9	54.1	54.2	54.5
12 1600	3.5	43.9	46.4	51.5	52.8	52.9	54.7	55.0	55.3	55.6	55.6	55.7	55.8	55.9	56.0	56.3
13 1400	3.0	45.7	48.3	53.9	55.2	55.4	56.6	57.5	57.9	58.2	58.2	58.3	58.3	58.5	58.6	58.8
14 1200	3.3	4.4	51.2	57.3	58.6	59.0	60.2	61.2	61.6	61.9	61.9	62.0	62.0	62.2	62.3	62.5
15 1000	2.3	50.9	53.8	60.4	62.0	62.3	63.6	64.6	65.0	65.3	65.3	65.4	65.5	65.7	65.8	66.0
16 800	4.1	55.4	58.6	65.9	67.6	67.9	69.4	70.4	70.8	71.1	71.1	71.2	71.4	71.5	71.6	71.9
17 600	4.3	58.6	62.0	70.1	72.0	72.4	74.1	75.3	75.7	76.0	76.1	76.2	76.3	76.5	76.6	76.8
18 400	7.6	61.4	64.5	73.7	76.1	76.5	78.4	79.8	80.2	80.6	80.6	80.7	80.9	81.1	81.2	81.4
19 200	1.4	62.3	65.9	74.8	77.2	77.7	79.6	81.1	81.5	81.9	82.0	82.0	82.2	82.4	82.5	82.7
20 100	1.4	63.9	67.6	77.2	79.8	80.3	82.3	84.1	84.7	85.2	85.2	85.3	85.5	85.7	85.7	86.0
21 500	3.6	65.5	69.4	79.6	82.7	83.2	85.5	87.4	88.0	88.6	88.7	88.8	89.0	89.2	89.3	89.6
22 400	4.1	66.3	71.5	81.8	85.1	85.6	88.3	90.4	91.1	91.7	91.8	91.9	92.1	92.3	92.4	92.6
23 300	4.0	66.4	7.7	82.1	85.8	86.4	89.4	91.8	92.6	93.2	93.4	93.5	93.7	93.9	94.0	94.2
24 200	4.1	66.5	70.8	82.3	86.3	87.0	90.2	92.6	93.4	94.1	94.2	94.4	94.6	94.8	94.9	95.1
25 100	4.2	66.6	71.0	82.7	86.9	87.6	91.2	94.0	94.9	95.6	95.8	96.0	96.2	96.4	96.5	96.7
26 500	4.2	66.7	71.0	82.8	86.9	87.7	91.5	94.6	95.5	96.2	96.4	96.6	96.8	97.1	97.1	97.4
27 400	4.2	66.7	71.1	82.8	87.0	87.8	91.6	95.0	96.1	97.1	97.4	97.6	97.8	98.1	98.2	98.4
28 300	4.2	66.7	71.1	82.9	87.0	87.8	91.6	95.1	96.3	97.5	97.9	98.1	98.5	99.0	99.3	99.5
29 200	4.2	66.7	71.0	82.9	87.0	87.8	91.7	95.2	96.3	97.6	98.0	98.2	98.6	99.1	99.4	99.8
30 100	4.2	66.7	71.0	82.9	87.0	87.8	91.7	95.2	96.3	97.6	98.0	98.2	98.6	99.1	99.4	100.0
31 500	4.2	66.7	71.1	82.9	87.0	87.9	91.7	95.2	96.4	97.6	98.0	98.2	98.6	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1359

CEILING VERSUS VISIBILITY

• • •

Concentration of inhibitor (mole/l)	Rate of polymerization (mole/l·hr)
0	0.001
0.0001	0.0008
0.0002	0.0006
0.0004	0.0004
0.0006	0.0003
0.0008	0.0002
0.001	0.0001

TOTAL NUMBER OF OBSERVATIONS 27

OFFICIAL CLIMATOLOGICAL DATA
 ETAC
 AIRCRAFT SERVICE STATION

CEILING VERSUS VISIBILITY

1-44-10000 AFB CH HALL AAF CL

74-02

AP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-2-1400

		VISIBILITY STATISTICS																			
		OR (HUNDREDS OF METERS)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1-44-10000	CEILING	35.9	35.7	37.7	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
1-44-10000	CEILING	34.4	34.9	39.4	41.2	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
1-44-10000	CEILING	34.4	39.1	39.1	41.3	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
1-44-10000	CEILING	34.4	39.1	39.1	41.3	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
1-44-10000	CEILING	35.1	34.4	39.2	41.6	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
1-44-10000	CEILING	34.4	40.0	40.5	42.6	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
1-44-10000	CEILING	34.4	42.9	43.4	45.5	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
1-44-10000	CEILING	34.4	44.2	44.7	46.7	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
1-44-10000	CEILING	34.4	47.8	48.3	50.4	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1-44-10000	CEILING	43.5	44.3	49.8	51.8	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
1-44-10000	CEILING	43.7	40.4	49.9	52.1	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
1-44-10000	CEILING	44.1	51.0	51.5	53.6	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
1-44-10000	CEILING	44.7	54.2	54.9	57.1	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
1-44-10000	CEILING	41.1	59.5	60.1	62.5	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
1-44-10000	CEILING	50.2	66.7	67.3	70.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1-44-10000	CEILING	34.2	73.2	74.2	77.2	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
1-44-10000	CEILING	6.3	75.9	76.9	80.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
1-44-10000	CEILING	7.1	82.7	83.7	85.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
1-44-10000	CEILING	7.7	81.5	82.8	86.6	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1-44-10000	CEILING	7.1	83.9	85.3	89.0	91.4	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1-44-10000	CEILING	73.7	85.6	87.4	92.3	93.8	94.3	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1-44-10000	CEILING	3.8	86.1	87.9	93.6	95.2	95.7	96.1	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1-44-10000	CEILING	3.8	86.3	88.0	93.9	95.5	96.0	96.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1-44-10000	CEILING	4.2	86.6	88.4	94.3	95.9	96.5	97.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1-44-10000	CEILING	4.3	86.8	88.5	94.6	96.3	97.0	97.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1-44-10000	CEILING	4.5	86.9	88.7	94.7	96.5	97.1	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-44-10000	CEILING	4.5	86.9	88.7	94.7	96.5	97.1	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-44-10000	CEILING	4.5	86.9	88.7	94.7	96.5	97.1	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-44-10000	CEILING	4.5	86.9	88.7	94.7	96.5	97.1	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 627

U.S. AIR FORCE CLIMATOLOGY DATA CENTER
AFSTAC
AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1. 43 SCOTT AFB ILL HALL AAF IL

74-83

APF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18-2-2000

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING 20000	19.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
21800	1.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
21600	1.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
21400	1.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
21200	2.0	51.4	52.2	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
21000	4.4	55.1	56.1	56.5	56.6	56.6	56.8	57.3	57.3	57.5	57.5	57.7	57.7	57.7	57.7	57.7
20800	4.4	57.0	57.7	58.5	58.7	58.7	58.8	59.4	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.7
20600	2.1	63.3	64.3	64.8	65.0	65.0	65.1	65.6	65.6	65.8	65.8	66.0	66.7	66.7	66.7	66.7
20400	55.1	67.1	68.2	69.0	69.4	69.6	69.7	70.2	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6
20200	55.1	67.1	68.2	69.0	69.4	69.6	69.7	70.2	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6
20000	55.2	69.9	71.3	72.1	72.4	72.6	72.8	73.3	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.6
19800	57.7	70.7	72.3	73.3	74.0	74.3	74.5	75.0	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3
19600	2.4	74.7	76.2	77.2	78.1	78.4	78.6	79.1	79.1	79.3	79.3	79.4	79.4	79.4	79.4	79.4
19400	4.5	78.1	79.9	81.3	82.1	82.5	82.7	83.1	83.2	83.5	83.5	83.7	83.7	83.7	83.7	83.7
19200	6.7	81.4	82.5	84.2	85.4	85.7	85.9	86.4	86.4	86.7	86.7	86.9	86.9	86.9	86.9	86.9
19000	6.7	81.6	83.7	85.5	86.9	87.2	87.4	87.9	87.9	88.3	88.3	88.4	88.4	88.4	88.4	88.4
18800	6.5	82.7	84.9	86.7	88.6	88.9	89.3	90.5	90.5	90.8	90.8	91.0	91.0	91.0	91.0	91.0
18600	6.7	83.3	85.5	87.4	89.5	89.8	90.1	91.3	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8
18400	1.1	84.9	87.1	88.9	91.3	91.7	92.1	93.2	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7
18200	1.3	86.1	88.6	91.5	94.1	94.4	94.7	95.9	95.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4
18000	1.3	86.1	88.8	92.0	94.6	94.9	95.4	96.6	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1
17800	1.3	86.6	89.3	92.5	95.4	95.7	96.4	98.0	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5
17600	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.0	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5
17400	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.3	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8
17200	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
17000	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
16800	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
16600	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
16400	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
16200	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
16000	1.3	86.6	89.5	92.9	95.9	96.3	97.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 588

CLIMATE CLIMATOLOGY BRANCH
ETAC
A. WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1 45- WCH AFB BISH HALL AAF DL

74-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)				
	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6
1000	3.1	34.9	35.4	37.2	38.1	38.3	38.7	39.8	39.9	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.2	39.4			
900	3.1	40.7	41.5	43.5	44.6	44.8	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.8	46.1			
800	3.1	40.7	41.5	43.5	44.6	44.7	45.0	45.4	45.6	45.7	45.8	45.8	45.8	45.8	45.9	45.9	46.2	46.2			
700	3.3	41.7	42.1	44.2	45.3	45.5	45.9	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.5	46.8	46.8			
600	3.3	42.1	42.9	45.1	46.2	46.5	46.9	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.5	47.8	47.8			
500	3.3	45.1	46.1	48.5	49.7	50.0	50.4	50.7	50.8	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.4	51.4			
400	3.7	46.7	47.7	50.2	51.4	51.6	52.7	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.8	53.1	53.1			
300	1.0	50.7	51.6	54.3	55.5	55.8	56.2	56.6	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.1	57.4	57.4			
200	2.1	52.6	53.7	56.5	57.7	58.1	58.5	58.9	59.0	59.2	59.3	59.3	59.3	59.3	59.4	59.8	59.8	59.8			
100	3.1	53.1	54.2	57.1	58.3	58.7	59.1	59.5	59.6	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.4	60.4			
000	4.5	55.1	56.3	59.3	60.5	60.9	61.4	61.8	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.3	62.6	62.6			
900	4.0	57.1	58.5	62.1	63.3	63.7	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.2	65.5	65.5			
800	5.0	61.8	63.1	66.7	68.0	68.5	69.7	69.4	69.6	69.7	69.8	69.8	69.9	69.9	70.0	70.3	70.3	70.3			
700	3.5	66.0	67.5	71.2	72.7	73.1	73.7	74.2	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.8	75.1	75.1			
600	5.6	71.2	71.9	75.8	77.4	77.9	78.4	78.9	79.0	79.3	79.4	79.4	79.5	79.5	79.5	79.9	79.9	79.9			
500	1.7	72.2	73.9	78.1	79.6	80.1	80.7	81.2	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.9	82.2	82.2			
400	1.3	75.4	77.2	81.8	83.6	84.1	84.8	85.5	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.5	86.5			
300	1.7	75.9	77.9	82.5	84.4	84.8	85.5	86.2	86.3	86.6	86.7	86.7	86.8	86.8	86.8	86.9	87.2	87.2			
200	3.3	76.2	80.2	85.4	87.5	88.0	88.8	89.5	89.7	90.0	90.2	90.2	90.3	90.3	90.3	90.4	90.7	90.7			
100	4.2	79.4	81.6	87.4	89.5	90.1	91.0	92.1	92.3	92.6	92.7	92.8	92.8	92.8	93.0	93.3	93.3	93.3			
000	4.6	79.9	82.3	88.5	91.7	91.7	92.8	93.9	94.1	94.6	94.8	94.8	94.8	94.8	94.8	95.0	95.3	95.3			
900	4.7	80.1	82.6	89.1	91.6	92.2	93.5	94.7	94.9	95.4	95.5	95.6	95.6	95.6	95.6	95.8	96.1	96.1			
800	4.8	80.4	82.9	89.5	92.4	93.1	94.6	95.9	96.1	96.7	96.8	96.9	96.9	96.9	96.9	97.0	97.4	97.4			
700	6.4	80.4	82.9	89.8	92.8	93.5	95.2	96.6	96.9	97.5	97.7	97.7	97.8	97.8	97.8	97.9	98.3	98.3			
600	6.4	80.4	82.9	89.9	92.9	93.6	95.3	96.9	97.4	98.0	98.2	98.2	98.3	98.3	98.3	98.5	98.9	98.9			
500	6.4	80.4	83.7	89.9	92.9	93.6	95.5	97.2	97.8	98.5	98.7	98.7	98.9	98.9	98.9	99.0	99.4	99.4			
400	6.4	80.4	83.7	89.9	93.0	93.7	95.5	97.3	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.3	99.7	99.7			
300	6.4	80.4	83.7	89.9	93.0	93.7	95.5	97.3	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.3	99.7	99.7			
200	6.4	80.4	83.7	89.9	93.0	93.7	95.5	97.3	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.3	99.7	99.7			
100	6.4	80.4	83.7	89.9	93.0	93.7	95.5	97.3	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.3	99.7	99.7			
000	6.4	80.4	83.7	89.9	93.0	93.7	95.5	97.3	97.9	98.7	98.9	99.0	99.1	99.1	99.1	99.3	99.7	99.7			

TOTAL NUMBER OF OBSERVATIONS 3183

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 40. 000. AEBISCH HALL AAF DL

74-67

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

602-2800

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	27	21	21	21	21	21	21	21	21	20
2 2000	31.4	31.7	33.2	37.4	39.4	38.7	39.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.9	40.2
2 1800	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 1600	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 1400	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 1200	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 1000	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 800	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 600	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 400	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 200	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 100	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 50	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
2 0	31.4	36.4	38.5	42.7	44.0	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.2
1 2000	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 1800	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 1600	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 1400	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 1200	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 1000	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 800	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 600	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 400	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 200	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 100	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 50	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
1 0	41.4	48.5	51.5	57.3	59.0	59.3	61.3	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.8
0 2000	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 1800	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 1600	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 1400	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 1200	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 1000	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 800	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 600	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 400	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 200	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 100	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5
0 0	51.4	66.8	70.4	81.4	86.0	86.4	89.5	93.0	94.4	95.7	95.8	95.8	95.8	95.8	96.0	96.5

TOTAL NUMBER OF OBSERVATIONS 602

GENERAL CLIMATOLOGY BRANCH
METAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 745 SCHAEFELICH HALL AAF OL

74-83

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	3.1	37.5	37.8	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
18000	3.4	43.8	44.1	45.9	46.0	46.0	46.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
16000	3.6	43.9	44.3	46.0	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
14000	3.6	44.9	45.2	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
12000	3.5	45.9	46.2	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
10000	4.3	49.6	50.2	52.2	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
8000	4.6	51.7	52.3	54.3	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
6000	4.3	55.9	56.9	58.8	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
4500	1.2	56.3	59.3	61.7	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
3000	1.4	56.6	59.8	62.2	62.7	62.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
1500	3.5	60.7	61.9	64.6	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
1000	4.6	61.9	63.3	65.8	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
500	5.8	65.6	66.7	69.5	7.1	70.1	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
0	4	69.7	70.1	73.2	73.8	73.8	74.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2500	3.5	72.7	73.8	76.9	77.5	77.5	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
2000	6.5	75.6	76.9	80.3	80.9	80.9	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
1800	6.7	77.5	79.2	82.9	83.8	83.8	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1600	6.5	78.5	8.1	83.8	84.8	84.8	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1400	7.8	81.7	83.4	88.3	89.7	89.7	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
1200	12.2	83.4	85.1	9.5	91.4	91.4	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1000	12.5	84.2	86.3	91.8	92.7	92.7	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
900	2.5	84.2	86.3	91.9	92.9	92.9	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
800	7.2	84.3	86.8	92.6	93.9	94.2	95.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
700	2.7	84.3	86.8	92.6	94.7	94.3	95.5	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	2.7	85.1	87.6	93.9	95.6	96.1	97.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
500	2.7	85.1	87.6	94.2	96.1	96.6	97.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
400	2.7	85.1	87.6	94.2	96.1	96.8	98.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	2.7	85.1	87.6	94.2	96.1	96.8	98.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	2.7	85.1	87.6	94.2	96.1	96.8	98.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	2.7	85.1	87.6	94.2	96.1	96.8	98.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	2.7	85.1	87.6	94.2	96.1	96.8	98.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 619

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4 1 100H AEBISCH HALL AAF DL

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

ELEVATION FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)													
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
20000	32.4	36.4	36.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	
18000	40.5	45.0	45.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	
16000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
14000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
12000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
10000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
8000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
6000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
4000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
2000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
1000	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
500	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
200	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
100	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
50	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
20	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
10	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
5	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
2	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
1	40.5	45.6	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	

TOTAL NUMBER OF OBSERVATIONS 618

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 4-5 SCN AFB TICH HALL AAF FL

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY: STATUTE MILES																OR (HUNDREDS OF METERS)			
	210	20	25	24	23	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21
21000	37.1	40.4	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
20000	45.1	45.2	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
18000	45.5	45.5	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
16000	45.5	45.5	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
14000	45.5	45.7	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
12000	45.7	50.2	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
10000	45.8	54.2	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
8000	55.1	56.1	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
6000	55.1	61.6	61.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
4000	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
2000	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
1000	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
500	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
250	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
100	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
50	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
25	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
10	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
5	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
2	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
1	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
0	55.4	66.0	66.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5

TOTAL NUMBER OF OBSERVATIONS 598

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 400 S. 1st AFB TCH HALL AAF DL

74-67

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-0-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1-100	1.5	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3
1-100	2.6	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1-100	2.6	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1-100	2.6	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1-100	2.6	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
1-100	3.7	59.6	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5
1-100	5.6	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1-100	6.1	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0
1-100	1.7	69.7	69.6	69.9	69.9	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
1-100	4.5	72.5	73.0	73.4	73.4	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
1-100	4.5	73.0	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
1-100	6.2	75.4	76.7	76.3	76.3	76.5	76.5	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
1-100	6.2	77.4	78.1	78.9	78.9	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1-100	2.1	81.5	81.2	82.0	82.0	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1-100	76.1	84.9	85.6	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1-100	7.7	87.6	88.5	90.2	90.2	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
1-100	7.6	88.7	89.6	91.4	91.6	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1-100	1.1	89.3	90.2	92.0	92.2	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
1-100	1.1	89.3	90.2	92.2	92.3	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1-100	1.1	89.3	90.2	92.2	92.3	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1-100	0.3	89.4	90.5	92.7	92.9	93.1	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1-100	0.7	90.0	91.8	94.7	95.1	95.3	95.6	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1-100	0.7	90.0	91.8	94.7	95.1	95.3	95.6	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1-100	0.9	90.2	92.0	94.9	95.4	95.6	96.2	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1-100	0.9	90.2	92.0	95.1	95.6	96.4	97.3	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1-100	0.9	90.2	92.0	95.1	96.4	96.9	98.7	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 589

U.S. AIR FORCE CLIMATOLOGY BRANCH
ETAC
4000 STATE STREET, WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

1. STATION NAME WHEELER AIRCRAFT HALL AAF, OKLA

2. DATE 12-52

3. YEAR 1952

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-2-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)												OR (HUNDREDS OF METERS)											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1	12.5	31.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
2	7.3	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	
3	7.3	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	
4	3.4	46.8	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
5	1.1	47.4	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	
6	3.7	48.6	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	
7	2.1	51.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
8	3.1	54.1	54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
9	4.3	59.1	59.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	
10	4.3	62.8	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
11	0.6	63.8	63.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
12	5.3	67.8	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
13	5.2	7.1	72.4	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
14	6.6	76.6	77.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	
15	4.6	81.7	82.4	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	
16	4.2	87.5	88.5	9.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
17	0.7	88.9	89.9	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
18	1.6	92.1	91.7	92.1	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
19	1.8	9.2	91.2	93.1	93.4	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
20	2.1	9.7	92.1	94.1	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
21	12.9	91.5	92.9	95.1	95.4	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
22	3.2	92.3	93.9	96.3	96.8	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
23	13.2	9.3	93.0	96.5	97.0	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
24	3.4	92.5	94.1	96.6	97.1	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
25	3.6	92.6	94.2	96.8	97.3	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
26	3.7	92.8	94.4	97.1	97.4	98.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
27	3.7	92.9	94.6	97.1	97.6	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
28	3.7	9.9	94.6	97.1	97.6	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
29	3.7	92.9	94.6	97.1	97.6	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
30	3.7	92.9	94.6	97.1	97.6	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS 624

U.S. AIR FORCE
 CLIMATE BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 45 SC. AEBICCH HALL AAF CL

77-80

100

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1.0-7300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
20000	42.7	43.3	43.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
18000	4.4	51.7	51.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
16000	4.4	51.7	51.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
14000	4.4	51.7	51.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
12000	5.6	52.8	52.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
10000	11.7	53.9	55.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
8000	33.3	56.4	59.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
6000	51.4	62.9	65.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
4000	62.7	67.4	69.7	71.9	71.9	71.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2000	67.5	74.2	76.4	78.7	78.7	78.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
1000	67.5	74.2	76.4	78.7	78.7	78.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
500	1.9	79.8	82.0	84.3	84.3	84.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
250	6.4	84.3	86.5	88.8	88.8	88.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
100	7.5	85.4	87.6	91.0	91.0	91.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
50	7.5	85.4	87.6	91.0	91.0	91.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
25	7.7	86.5	88.8	92.1	93.3	93.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
10	7.7	86.5	88.8	92.1	93.3	93.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
5	7.7	86.5	88.8	92.1	93.3	93.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2	7.7	86.5	88.8	93.3	94.4	94.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1	7.7	86.5	88.8	93.3	94.4	94.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0.5	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.25	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.1	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.05	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.025	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.01	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.005	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.0025	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.001	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.0005	7.7	86.5	88.8	94.4	95.5	95.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 89

CLIMATE CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1 40 100-451-CH HALL AAF DL

73-67

1111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES																OR HUNDREDS OF METERS			
	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110	20	26	32	38
1000	32.7	39.9	44.3	41.9	42.2	42.3	42.5	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.8	43.1	32.7	39.9	44.3	41.9
900	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
800	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
700	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
600	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
500	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
400	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
300	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
200	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
100	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
0	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
900	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
800	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
700	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
600	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
500	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
400	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
300	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
200	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
100	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
0	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
900	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
800	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
700	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
600	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
500	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
400	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
300	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
200	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
100	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1
0	46.1	46.7	48.7	49.1	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	46.1	46.7	48.7	49.1

TOTAL NUMBER OF OBSERVATIONS 1120

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 40 SCHAEFELT HALL AAF DL

73-87

111

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

662-5820

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
20000	22.6	33.1	35.8	39.0	39.8	40.3	41.1	41.6	41.6	41.6	41.9	42.1	42.4	42.4	42.6	42.7
18000	22.6	36.8	39.7	43.0	43.8	44.3	45.1	45.8	45.8	45.8	46.1	46.2	46.6	46.6	46.9	47.5
16000	22.6	36.8	39.8	43.2	44.0	44.5	45.3	46.1	46.1	46.1	46.4	46.6	46.6	46.9	47.2	47.8
14000	22.4	37.8	40.8	44.2	45.0	45.4	46.2	47.0	47.0	47.0	47.4	47.5	47.9	47.8	48.2	48.8
12000	22.4	38.1	41.1	45.1	45.9	46.4	47.2	48.0	48.0	48.0	48.3	48.5	48.8	48.8	49.1	49.8
10000	22.5	41.0	44.0	48.3	49.1	49.6	50.4	51.2	51.2	51.2	51.5	51.7	52.0	52.0	52.3	53.0
8000	22.1	41.9	45.0	49.3	50.1	50.6	51.4	52.2	52.2	52.2	52.5	52.6	53.0	53.0	53.3	53.9
6000	22.2	46.4	49.6	54.2	55.0	55.5	56.3	57.4	57.4	57.4	57.8	57.9	58.2	58.2	58.6	59.2
4000	33.2	48.6	51.8	56.5	57.4	57.9	58.7	59.8	59.8	59.8	60.2	60.3	60.6	60.6	61.0	61.6
2000	34.7	49.4	52.6	57.3	58.2	58.7	59.5	60.6	60.6	60.6	61.0	61.1	61.4	61.4	61.8	62.4
1000	37.8	53.6	57.1	61.9	63.0	63.5	64.3	65.6	65.6	65.6	65.9	66.1	66.4	66.4	66.7	67.4
500	38.5	56.5	60.2	65.1	66.2	66.7	67.7	69.0	69.0	69.0	69.3	69.4	69.8	69.8	70.1	70.7
200	38.4	56.8	60.5	65.4	66.5	67.0	68.0	69.3	69.3	69.3	69.6	69.8	70.1	70.1	70.4	71.0
100	40.1	61.2	65.9	71.7	73.3	73.8	74.7	76.3	76.5	76.6	77.0	77.1	77.4	77.4	77.8	78.4
50	40.6	65.4	69.5	76.0	77.8	78.2	79.2	80.8	81.0	81.1	81.4	81.6	81.9	81.9	82.2	82.9
25	47.0	65.9	70.2	76.6	78.4	78.9	79.9	81.4	81.6	82.1	82.4	82.6	82.9	82.9	83.2	83.8
15	47.5	68.0	72.5	79.4	81.1	81.6	82.6	84.5	84.6	85.1	85.4	85.6	85.9	85.9	86.2	86.9
10	47.5	68.0	72.6	79.5	81.4	81.9	82.9	84.8	85.1	85.6	85.9	86.1	86.4	86.4	86.7	87.4
5	47.8	69.3	74.2	81.4	83.4	83.8	85.0	86.9	87.2	87.7	88.0	88.2	88.5	88.5	88.8	89.4
2	49.9	71.9	75.8	83.4	85.3	85.8	86.9	89.0	89.3	89.8	90.1	90.2	90.6	90.6	90.9	91.5
1	50.4	71.4	77.0	84.6	86.7	87.4	88.8	91.0	91.4	91.8	92.2	92.3	92.6	92.6	93.0	93.6
0.5	50.4	71.4	77.4	85.4	87.5	88.2	89.8	92.5	92.8	93.3	93.6	93.8	94.2	94.2	94.6	95.2
0.2	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.1	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.05	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.02	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.01	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.005	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.002	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.001	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.0005	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.0002	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.0001	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.00005	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.00002	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3
0.00001	50.4	72.0	77.6	85.8	87.8	88.6	90.2	93.3	93.8	94.2	94.7	94.9	95.4	95.4	95.7	96.3

TOTAL NUMBER OF OBSERVATIONS 625

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 457 SCHAEFELICH HALL AAF DL

73-47

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

907-1100

	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
1 1000	27.4	37.4	38.0	39.9	41.4	42.4	42.9	42.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
2 1000	1.4	41.5	42.2	44.1	44.5	44.5	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
3 1000	1.4	41.5	42.2	44.1	44.5	44.5	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
4 1000	2.5	42.6	43.3	45.2	45.6	45.6	46.1	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4
5 1000	3.2	44.5	45.2	47.2	47.7	47.7	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5
6 1000	37.1	47.7	48.3	50.4	50.9	50.9	51.3	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
7 1000	37.2	48.7	49.3	51.3	51.8	51.8	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
8 1000	1.5	53.1	53.9	56.1	56.6	56.6	57.1	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4
9 1000	4.4	56.1	56.9	59.1	59.6	59.6	60.1	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4
10 1000	4.4	56.1	56.9	59.1	59.6	59.6	60.1	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4
11 1000	4.1	59.1	59.9	62.4	63.1	63.1	63.5	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
12 1000	4.2	61.5	62.3	64.8	65.8	65.8	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
13 1000	2.3	66.1	67.1	69.9	70.8	70.8	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
14 1000	5.2	67.7	71.1	74.3	75.3	75.3	76.2	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
15 1000	52.4	75.9	77.3	81.3	82.3	82.3	83.2	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
16 1000	60.7	77.8	79.4	83.4	84.8	84.8	85.7	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
17 1000	1.4	79.7	81.5	86.1	87.5	87.5	88.4	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
18 1000	1.9	79.7	81.5	86.2	87.6	87.6	88.5	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
19 1000	2.1	81.5	82.4	87.8	89.2	89.4	90.6	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
20 1000	2.8	81.9	84.1	90.0	91.4	91.9	93.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
21 1000	62.9	82.4	85.7	91.8	93.3	94.0	95.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
22 1000	3.5	83.2	86.4	92.6	94.3	95.1	97.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
23 1000	3.5	83.2	86.4	92.9	94.6	95.4	97.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
24 1000	3.5	83.2	86.4	93.1	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30 1000	3.5	83.2	86.4	93.0	94.8	95.6	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 631

GENERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 401 UCHWAEBTCH HALL AAF DL

73-62

111

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-2-1420

ELEVATION FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1 10000	27.9	39.1	39.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2 8000	34.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
3 6000	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
4 4000	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
5 2000	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
6 1000	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
7 800	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
8 600	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
9 400	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
10 200	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
11 100	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
12 80	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
13 60	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
14 40	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
15 20	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
16 10	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
17 5	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
18 2	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
19 1	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
20 0	37.5	45.3	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7

TOTAL NUMBER OF OBSERVATIONS 632

CLIMATE CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 400 SCHWABEICH HALL AAF OL

72-80

1001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-2000

		VISIBILITY (STATUTE MILES)																				CEILING (HUNDREDS OF METERS)	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	1000	1.3	48.0	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2	800	44.1	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
3	600	44.1	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
4	400	45.1	56.6	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
5	200	4.1	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
6	100	2.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
7	50	3.5	65.4	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8	25	1.5	76.1	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
9	10	2.3	76.9	77.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
10	5	4.0	78.7	78.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
11	2	6.9	84.0	84.1	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
12	1	8.8	86.1	86.5	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
13	0.5	1.6	87.3	87.7	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
14	0.2	2.8	88.5	89.7	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
15	0.1	3.6	90.2	91.2	94.1	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
16	0.05	4.0	90.7	91.7	94.6	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
17	0.02	4.1	90.9	92.2	95.1	95.9	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
18	0.01	4.3	91.6	92.9	95.8	96.6	96.6	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
19	0.005	4.7	91.9	93.2	96.1	97.0	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
20	0.002	4.7	92.2	93.6	96.5	97.3	97.5	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
21	0.001	4.7	92.2	93.8	96.8	98.0	98.1	98.5	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
22	0.0005	4.7	92.2	93.8	96.8	98.0	98.1	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
23	0.0002	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24	0.0001	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25	0.00005	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26	0.00002	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27	0.00001	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28	0.000005	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29	0.000002	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30	0.000001	4.7	92.2	93.8	96.8	98.1	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 592

1
J. AL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE MAC

CEILING VERSUS VISIBILITY

1 400 100 AFB BILCH HALL AAF DL

73-80

400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

400-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)																			
	300	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
1000	1.2	46.9	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
900	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
800	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
700	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
600	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
500	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
400	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
300	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
200	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
100	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
0	45.1	56.3	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS 634

U.S. AIR FORCE
METEOROLOGICAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE (AWC)

CEILING VERSUS VISIBILITY

1. NAME OF STATION WHEELS HALL AAF FL

2. DATE 7-2-50

3. TIME ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)	CEILING (HUNDREDS OF METERS)																			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.1	39.8	4.9	43.3	44.7	44.0	44.8	45.2	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.7	45.8				
0.2	46.2	47.6	5.4	51.2	51.2	52.1	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.2	53.3	53.6				
0.3	46.2	47.6	5.4	51.2	51.2	52.1	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.2	53.3	53.6				
0.4	46.5	47.8	50.6	51.4	51.5	52.3	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.7	53.9				
0.5	47.0	48.4	51.4	52.7	52.3	53.1	53.7	53.9	54.0	54.1	54.2	54.2	54.2	54.3	54.4	54.7				
0.6	47.4	49.8	52.9	53.7	53.6	54.6	55.2	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.9	56.2				
0.7	51.4	53.1	56.6	57.5	57.6	58.6	59.4	59.5	59.7	59.7	59.8	59.9	59.9	60.1	60.4					
0.8	54.2	55.9	59.7	6.7	60.7	61.8	62.7	62.8	63.1	63.1	63.2	63.2	63.3	63.4	63.7					
0.9	58.9	61.0	65.2	66.4	66.6	67.9	68.9	69.1	69.3	69.3	69.4	69.5	69.6	69.7	70.1					
1.0	60.4	62.6	67.1	68.3	68.7	70.0	71.0	71.1	71.4	71.4	71.5	71.6	71.7	71.8	72.2					
1.1	61.7	64.1	68.7	70.1	70.4	71.7	72.7	72.9	73.1	73.2	73.3	73.3	73.4	73.5	73.9					
1.2	63.6	66.1	70.9	72.2	72.6	73.9	75.0	75.1	75.4	75.4	75.5	75.6	75.7	75.8	76.1					
1.3	65.9	68.3	73.4	74.8	75.1	76.4	77.5	77.7	77.9	78.0	78.1	78.2	78.3	78.4	78.7					
1.4	69.2	71.9	77.4	78.9	79.3	80.7	81.9	82.1	82.4	82.5	82.6	82.6	82.7	82.8	83.2					
1.5	71.5	74.3	80.3	81.9	82.3	83.9	85.0	85.3	85.8	85.9	86.0	86.1	86.2	86.3	86.6					
1.6	74.4	77.3	83.7	85.4	85.8	87.4	88.6	89.0	89.5	89.8	89.9	90.1	90.2	90.3	90.6					
1.7	74.9	77.9	84.5	86.2	86.5	88.2	89.4	89.8	90.3	90.6	90.7	90.7	90.9	91.0	91.4					
1.8	75.6	78.7	85.6	87.3	87.7	89.5	90.8	91.2	91.7	92.0	92.1	92.1	92.3	92.4	92.8					
1.9	75.9	79.0	86.0	87.7	88.1	89.9	91.3	91.6	92.2	92.4	92.5	92.6	92.7	92.8	93.2					
2.0	76.1	79.3	86.6	88.7	89.2	91.1	92.5	92.8	93.4	93.7	93.8	93.8	94.0	94.1	94.4					
2.1	76.6	79.9	87.8	89.9	90.4	92.3	93.7	94.1	94.7	94.9	95.0	95.1	95.2	95.4	95.7					
2.2	76.9	80.3	88.6	90.8	91.3	93.5	95.1	95.4	96.0	96.3	96.4	96.4	96.6	96.7	97.0					
2.3	77.0	80.5	88.9	91.2	91.7	93.9	95.5	95.9	96.5	96.7	96.8	96.9	97.0	97.1	97.5					
2.4	77.1	80.5	89.0	91.4	92.0	94.3	95.9	96.3	96.9	97.1	97.2	97.3	97.4	97.5	97.9					
2.5	77.1	80.6	89.3	91.8	92.4	94.7	96.4	96.9	97.5	97.7	97.8	97.9	98.0	98.1	98.5					
2.6	77.1	80.7	89.4	91.8	92.4	94.8	96.6	97.1	97.8	98.1	98.2	98.3	98.4	98.6	98.9					
2.7	77.2	80.7	89.4	91.9	92.5	94.9	96.9	97.4	98.1	98.4	98.6	98.6	98.8	98.9	99.2					
2.8	77.2	80.7	89.4	91.9	92.5	94.9	97.0	97.6	98.3	98.6	98.7	98.8	98.9	99.0	99.1					
2.9	77.2	80.7	89.4	91.9	92.5	94.9	97.0	97.6	98.3	98.6	98.9	99.1	99.3	99.4	99.5					
3.0	77.2	80.7	89.4	91.9	92.5	94.9	97.0	97.6	98.3	98.6	98.9	99.1	99.3	99.5	99.5					

TOTAL NUMBER OF OBSERVATIONS 1181

CLIMATE CLIMATOLOGY SPA CH
ETAC
AIR WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

1 457 100H AEBISCH HALL AAF CL

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1962

		VISIBILITY STAT IN MILES OR (HUNDREDS OF METERS)																			
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
1	20K	35.0	42.3	43.4	47.1	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
2	15K	42.7	44.0	49.7	53.8	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
3	10K	42.5	44.5	5.2	54.3	55.0	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
4	5K	42.7	5.0	57.6	54.8	55.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
5	2K	45.1	53.2	53.4	58.3	59.0	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
6	1K	4.5	51.6	55.4	60.1	60.7	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
7	500	6.6	60.1	61.1	66.3	67.0	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
8	400	2.7	62.7	63.6	69.7	7.4	70.5	71.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
9	300	53.1	63.9	64.9	71.2	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
10	200	5.4	67.0	67.7	74.4	75.0	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
11	150	5.5	68.8	69.7	76.4	77.1	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
12	100	51.8	71.3	72.3	79.5	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
13	50	2.2	74.4	75.3	83.2	84.1	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
14	25	6.7	79.6	81.1	89.6	9.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
15	10	6.5	80.6	82.1	90.5	91.7	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
16	5	6.1	81.3	82.7	91.3	92.5	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
17	2	6.3	81.7	83.2	91.8	92.9	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
18	1	6.7	82.5	84.1	93.4	94.9	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
19	0.5	6.1	83.5	84.9	94.6	96.7	96.2	96.8	97.0	97.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
20	0.25	6.1	83.5	84.9	95.2	96.8	97.0	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
21	0.1	6.1	83.5	84.9	95.4	97.0	97.1	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
22	0.05	6.1	83.5	84.9	95.7	97.3	97.4	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
23	0.025	6.1	83.5	84.9	95.8	97.4	97.6	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
24	0.01	6.1	83.5	84.9	96.3	97.9	98.1	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
25	0.005	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26	0.0025	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27	0.001	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28	0.0005	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29	0.00025	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30	0.0001	6.1	83.5	84.9	96.6	98.4	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 624

CEILING VERSUS VISIBILITY

7-3-82

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~~15-0-2-22~~

TOTAL NUMBER OF OBSERVATIONS 494

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. AL CLIMATOLOGY (7-0) CH
2. ETAC
3. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 44 200 WABEICH HALL AAF CL

72-87

CLF

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

		VISIBILITY (STATUTE MILES)																				CEILING (HUNDREDS OF METERS)	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	1	36.7	39.1	42.6	43.5	43.7	44.3	45.6	45.9	46.0	46.2	46.3	46.3	46.5	46.7	47.5							
2	2	41.7	43.5	45.7	49.7	51.1	51.6	52.5	52.9	53.1	53.3	53.5	53.5	53.6	53.7	54.2	55.1						
3	3	42.0	43.6	45.7	49.8	51.2	51.6	52.6	52.8	53.1	53.2	53.2	53.3	53.6	53.8	54.7							
4	4	42.1	43.8	45.9	50.1	50.5	51.2	52.9	53.1	53.3	53.5	53.5	53.6	53.7	54.2	55.1							
5	5	44.4	49.7	50.8	51.3	52.7	53.7	53.9	54.1	54.2	54.3	54.4	54.7	55.7	55.9								
6	6	44.7	45.7	51.1	52.7	52.8	54.3	55.3	55.6	55.7	55.9	56.0	56.1	56.4	56.7	57.6							
7	7	46.4	49.3	54.1	55.3	55.8	57.4	58.6	58.9	59.1	59.2	59.3	59.4	59.7	60.7	61.0							
8	8	47.6	49.5	55.4	56.6	57.1	58.9	60.0	60.3	60.5	60.6	60.7	60.8	61.1	61.4	62.4							
9	9	52.3	54.4	60.7	62.2	62.0	64.7	66.1	66.3	66.4	66.6	66.7	66.8	67.1	67.5	68.5							
10	10	54.4	56.1	63.1	64.6	65.2	67.1	68.4	68.7	68.9	69.1	69.2	69.3	69.6	70.7	71.1							
11	11	54.7	57.1	63.7	65.2	65.8	67.8	69.1	69.4	69.7	69.9	70.0	70.0	70.4	70.8	71.9							
12	12	57.3	59.4	66.3	68.1	68.6	70.7	72.0	72.4	72.6	72.8	72.9	73.3	73.7	74.5								
13	13	58.9	61.1	68.5	70.3	70.9	73.0	74.4	74.8	75.1	75.2	75.3	75.4	75.8	76.1	77.0							
14	14	61.1	63.5	71.2	73.2	73.6	76.1	77.5	78.1	78.2	78.4	78.5	78.7	79.1	79.5	80.5							
15	15	60.8	66.3	74.2	76.2	76.8	79.3	80.6	81.2	81.4	81.6	81.7	81.8	82.2	82.6	83.7							
16	16	66.9	69.1	77.5	79.8	80.5	83.1	84.7	85.2	85.4	85.6	85.7	85.9	86.3	86.7	87.8							
17	17	67.6	70.3	79.0	81.3	82.7	84.8	86.3	86.9	87.1	87.2	87.4	87.6	87.9	88.3	89.5							
18	18	68.5	71.2	80.1	82.5	83.2	86.1	87.7	88.2	88.5	88.7	88.8	89.7	89.3	89.7	90.8							
19	19	68.8	71.5	80.4	82.8	83.6	86.4	88.1	88.6	88.9	89.1	89.2	89.3	89.7	90.1	91.2							
20	20	69.5	72.1	81.6	84.2	85.0	87.9	89.7	90.3	90.5	90.7	90.8	91.0	91.4	91.8	92.9							
21	21	69.8	72.5	82.2	84.9	85.7	88.7	90.6	91.2	91.5	91.7	91.8	92.0	92.3	92.7	93.9							
22	22	70.2	73.1	83.0	86.0	86.8	89.9	92.0	92.7	93.0	93.2	93.3	93.5	93.9	94.3	95.4							
23	23	70.3	73.1	83.1	86.1	86.9	90.1	92.3	92.9	93.3	93.5	93.6	93.8	94.1	94.5	95.6							
24	24	70.3	73.2	83.3	86.3	87.1	90.4	92.7	93.4	93.9	94.1	94.2	94.4	94.8	95.2	96.3							
25	25	70.3	73.2	83.7	86.8	87.6	90.9	93.4	94.2	94.7	94.9	95.1	95.1	95.5	95.9	97.1							
26	26	70.3	73.2	83.8	87.1	87.8	91.2	93.6	94.5	95.1	95.4	95.5	95.6	96.0	96.5	97.6							
27	27	70.3	73.2	84.1	87.3	88.1	91.5	94.1	95.1	95.8	96.3	96.4	96.6	97.1	97.5	98.6							
28	28	70.3	73.2	84.1	87.3	88.1	91.5	94.1	95.1	95.8	96.3	96.5	96.6	97.1	97.6	98.8							
29	29	70.3	73.2	84.1	87.3	88.1	91.5	94.1	95.1	95.8	96.3	96.5	96.7	97.3	97.8	99.4							
30	30	70.3	73.2	84.1	87.3	88.1	91.5	94.1	95.1	95.8	96.3	96.5	96.7	97.3	97.9	100.0							

TOTAL NUMBER OF OBSERVATIONS 2951

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-44200

1. R. A. S.

22. ~~CONFIDENTIAL~~ - EMI 1125

12.4	13.2	14.0	14.8	15.6	16.4	17.2	18.0	18.8	19.6	20.4	21.2	22.0	22.8	23.6	24.4	25.2	26.0	26.8	27.6	28.4	29.2	30.0	30.8	31.6	32.4	33.2	34.0	34.8	35.6	36.4	37.2	38.0	38.8	39.6	40.4	41.2	42.0	42.8	43.6	44.4	45.2	46.0	46.8	47.6	48.4	49.2	50.0	50.8	51.6	52.4	53.2	54.0	54.8	55.6	56.4	57.2	58.0	58.8	59.6	60.4	61.2	62.0	62.8	63.6	64.4	65.2	66.0	66.8	67.6	68.4	69.2	70.0	70.8	71.6	72.4	73.2	74.0	74.8	75.6	76.4	77.2	78.0	78.8	79.6	80.4	81.2	82.0	82.8	83.6	84.4	85.2	86.0	86.8	87.6	88.4	89.2	90.0	90.8	91.6	92.4	93.2	94.0	94.8	95.6	96.4	97.2	98.0	98.8	99.6	100.0
12.5	13.3	14.1	14.9	15.7	16.5	17.3	18.1	18.9	19.7	20.5	21.3	22.1	22.9	23.7	24.5	25.3	26.1	26.9	27.7	28.5	29.3	30.1	30.9	31.7	32.5	33.3	34.1	34.9	35.7	36.5	37.3	38.1	38.9	39.7	40.5	41.3	42.1	42.9	43.7	44.5	45.3	46.1	46.9	47.7	48.5	49.3	50.1	50.9	51.7	52.5	53.3	54.1	54.9	55.7	56.5	57.3	58.1	58.9	59.7	60.5	61.3	62.1	62.9	63.7	64.5	65.3	66.1	66.9	67.7	68.5	69.3	70.1	70.9	71.7	72.5	73.3	74.1	74.9	75.7	76.5	77.3	78.1	78.9	79.7	80.5	81.3	82.1	82.9	83.7	84.5	85.3	86.1	86.9	87.7	88.5	89.3	90.1	90.9	91.7	92.5	93.3	94.1	94.9	95.7	96.5	97.3	98.1	98.9	99.7	100.0
12.6	13.4	14.2	15.0	15.8	16.6	17.4	18.2	19.0	19.8	20.6	21.4	22.2	23.0	23.8	24.6	25.4	26.2	27.0	27.8	28.6	29.4	30.2	31.0	31.8	32.6	33.4	34.2	35.0	35.8	36.6	37.4	38.2	39.0	39.8	40.6	41.4	42.2	43.0	43.8	44.6	45.4	46.2	47.0	47.8	48.6	49.4	50.2	51.0	51.8	52.6	53.4	54.2	55.0	55.8	56.6	57.4	58.2	59.0	59.8	60.6	61.4	62.2	63.0	63.8	64.6	65.4	66.2	67.0	67.8	68.6	69.4	70.2	71.0	71.8	72.6	73.4	74.2	75.0	75.8	76.6	77.4	78.2	79.0	79.8	80.6	81.4	82.2	83.0	83.8	84.6	85.4	86.2	87.0	87.8	88.6	89.4	90.2	91.0	91.8	92.6	93.4	94.2	95.0	95.8	96.6	97.4	98.2	99.0	99.8	100.0
12.7	13.5	14.3	15.1	15.9	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.1	23.9	24.7	25.5	26.3	27.1	27.9	28.7	29.5	30.3	31.1	31.9	32.7	33.5	34.3	35.1	35.9	36.7	37.5	38.3	39.1	39.9	40.7	41.5	42.3	43.1	43.9	44.7	45.5	46.3	47.1	47.9	48.7	49.5	50.3	51.1	51.9	52.7	53.5	54.3	55.1	55.9	56.7	57.5	58.3	59.1	59.9	60.7	61.5	62.3	63.1	63.9	64.7	65.5	66.3	67.1	67.9	68.7	69.5	70.3	71.1	71.9	72.7	73.5	74.3	75.1	75.9	76.7	77.5	78.3	79.1	79.9	80.7	81.5	82.3	83.1	83.9	84.7	85.5	86.3	87.1	87.9	88.7	89.5	90.3	91.1	91.9	92.7	93.5	94.3	95.1	95.9	96.7	97.5	98.3	99.1	99.9	100.0
12.8	13.6	14.4	15.2	16.0	16.8	17.6																																																																																																								

TOTAL NUMBER OF OBSERVATIONS 503

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CL MATOLOGY BRANCH
ETAC
FATHER SERVICE/AC

CEILING VERSUS VISIBILITY

4 JON. AEBELCH HALL AAF CL

72-87

651

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1700

VISIBILITY IN STATUTE MILES																		UP (HUNDREDS OF METERS)																	
		20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110		
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80		
70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70		
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

TOTAL NUMBER OF OBSERVATIONS 644

CEILING VERSUS VISIBILITY

~~SECRET~~

~~900-1100~~

TOTAL NUMBER OF OBSERVATIONS 564

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNITED STATES CLIMATOLOGY BRANCH
ETAC
A. FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME: SCHAEFELICH HALL AAF DL DATE: 12-60
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES OR (HUNDREDS OF METERS)																							
	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
1000	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
900	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
800	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
700	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
600	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
500	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
400	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
300	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
200	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
100	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1

TOTAL NUMBER OF OBSERVATIONS 558

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 40 SCNAEBISCH HALL AAF DL

73-87

NGV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18-2-2-22

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	17.5	21.2	22.4	26.9	28.6	28.6	31.2	31.2	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
18000	11.2	25.1	27.4	32.1	33.8	33.8	35.5	36.5	36.5	37.2	37.2	37.2	37.2	37.2	37.4	37.4
16000	11.2	25.1	27.4	32.1	33.8	33.8	35.5	36.5	36.5	37.2	37.2	37.2	37.2	37.2	37.4	37.4
14000	11.2	25.1	27.4	32.1	33.8	33.8	35.7	36.7	36.7	37.4	37.4	37.4	37.4	37.6	37.6	37.6
12000	21.1	26.3	28.3	32.7	34.4	34.4	36.3	37.2	37.2	38.1	38.1	38.1	38.1	38.2	38.2	38.2
10000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
8000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
6000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
4000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
2000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
1000	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
500	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
250	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
100	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
50	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
25	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
10	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
5	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
2	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0
1	23.1	27.6	29.3	34.2	35.9	35.9	38.1	39.1	39.1	39.8	39.8	39.8	39.8	40.0	40.0	40.0

TOTAL NUMBER OF OBSERVATIONS 532

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY DATA CH
ETAC
NATIONAL SERVICE MAP

CEILING VERSUS VISIBILITY

1.44 1000 FEET CH HALL AAF 10

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1-1-1960

		VISIBILITY IN FEET OR HUNDREDS OF METERS															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1000	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
900	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
800	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
700	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
600	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
500	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
400	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
300	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
200	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
100	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
50	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
25	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
10	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
5	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
2	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8
1	20.0	21.2	22.1	23.1	24.1	25.0	25.8	26.7	27.6	28.5	29.4	30.3	31.2	32.1	33.0	33.9	34.8

TOTAL NUMBER OF OBSERVATIONS 100

U. S. AIR FORCE
 METAC
 AIRCRAFT SERVICE, WAC

CEILING VERSUS VISIBILITY

4 WASHINGTON FIELD, WAC

72-60

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

		IN FEET (STATUTE MILES) OR (HUNDREDS OF METERS)																			
		10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	400	500	
10	17.7	18.0	21.0	22.7	22.1	22.7	23.5	23.6	23.9	23.9	23.9	23.9	23.9	24.0	24.1	24.4					
20	21.5	22.3	25.2	26.2	26.5	27.2	28.0	28.0	28.5	28.5	28.5	28.6	28.7	28.7	28.7	28.7					
30	21.3	22.5	25.6	26.7	27.0	27.8	28.5	28.7	29.0	29.1	29.2	29.1	29.2	29.1	29.2	29.3	29.6				
40	22.1	22.7	25.9	27.0	27.3	28.1	28.9	29.0	29.4	29.4	29.4	29.4	29.5	29.6	29.7	29.7	29.7				
50	22.9	23.6	26.7	27.8	28.1	28.9	29.7	29.9	30.3	30.3	30.3	30.3	30.3	30.5	30.5	30.5	30.5				
60	24.4	25.2	28.4	29.5	29.6	30.7	31.6	31.8	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3				
70	24.2	25.0	28.2	29.3	29.4	30.5	31.4	31.6	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1				
80	30.1	30.7	34.6	35.9	36.3	37.1	38.2	38.5	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.0	39.0				
90	31.9	32.3	36.0	37.2	37.5	38.4	39.4	40.4	40.7	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2				
100	32.3	33.1	37.3	38.9	39.2	40.1	41.1	41.4	41.8	41.8	41.8	41.8	41.8	41.9	42.1	42.1	42.1				
120	33.9	34.2	39.3	41.0	41.3	42.7	43.3	43.6	44.1	44.1	44.1	44.1	44.1	44.2	44.4	44.4	44.4				
140	35.7	36.8	41.3	43.1	43.5	44.4	45.4	45.8	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3				
160	37.6	38.8	43.0	45.6	46.0	47.1	48.3	48.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1				
180	39.9	41.2	46.7	48.7	49.2	50.2	51.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8				
200	42.7	44.2	50.2	52.3	52.7	53.8	55.5	55.8	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4				
250	44.9	46.6	53.1	55.2	55.7	56.9	58.7	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7				
300	47.7	49.7	57.3	59.9	60.7	62.3	64.3	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5				
400	50.3	52.3	58.3	60.9	61.7	63.5	65.5	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6				
500	51.3	53.5	62.1	65.0	66.4	68.6	70.8	71.4	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2				
600	53.2	55.8	66.3	70.0	71.2	73.0	76.6	77.3	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1				
700	53.9	56.5	66.1	72.0	73.7	77.0	81.5	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6				
800	54.1	56.7	66.7	72.0	74.8	79.5	82.7	83.1	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3				
900	54.3	57.1	69.4	74.0	76.1	80.1	84.0	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4				
1000	54.4	57.7	70.3	75.5	77.7	82.1	86.4	87.5	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5				
1200	54.8	57.7	70.7	76.2	78.5	83.3	88.8	90.2	92.4	92.9	93.0	93.3	93.6	93.7	93.7	93.7	93.7				
1400	54.8	57.7	70.7	76.3	78.6	83.6	89.6	92.0	94.1	94.6	94.8	95.2	95.4	95.4	95.4	95.4	95.4				
1600	54.8	57.7	70.7	76.3	78.6	83.7	90.1	92.6	95.1	95.8	96.1	96.5	96.8	96.8	96.8	96.8	96.8				
1800	54.8	57.7	70.7	76.3	78.6	83.8	90.2	92.9	95.2	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.0				
2000	54.8	57.7	70.7	76.3	78.6	83.8	90.2	92.9	95.3	96.0	96.4	97.2	97.9	98.4	98.4	98.4	98.4				
2500	54.8	57.7	70.7	76.3	78.6	83.8	90.2	92.9	95.3	96.0	96.4	97.2	97.9	98.4	98.4	98.4	98.4				

TOTAL NUMBER OF OBSERVATIONS 2678

ALBANY TROOP BRANCH
1945
1000

CEILING VERSUS VISIBILITY

1000

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000

		CEILING IN FEET																CEILING IN METERS															
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	100	150	200	250	300	350	400	450	500	550	600	650	700			
100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150			
200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200			
250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250			
300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300			
350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350			
400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400			
450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450			
500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500			
550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550			
600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600			
650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650			
700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700			
750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750			
800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800			
850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850			
900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900			
950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950			
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000			

TOTAL NUMBER OF OBSERVATIONS 95

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

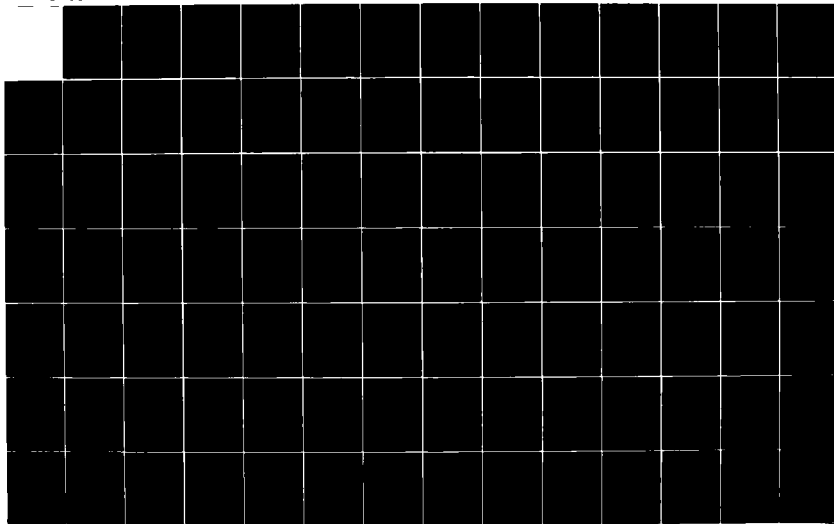
AD-A140 242

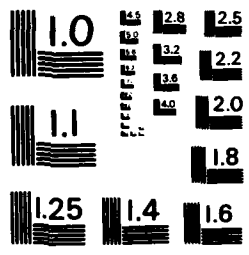
SCHWABISCH HALL WEST GERMANY LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA... (U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
25 JAN 84 USAFETAC/DS-84/004 F/G 4/2

3/4

UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7450 SCHWABERICH HALL AAF DL

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (IN HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	17.1	14.5	15.0	16.6	18.6	18.9	18.9	19.1	19.1	19.3	19.3	19.3	19.3	19.3	19.4	19.9
≥ 20000	16.3	19.1	19.9	22.4	25.1	25.4	25.7	25.9	25.9	26.1	26.1	26.1	26.1	26.2	26.2	26.7
IV 18000	16.3	19.1	19.9	22.4	25.1	25.4	25.7	25.9	25.9	26.1	26.1	26.1	26.1	26.2	26.2	26.7
IV 16000	16.3	19.1	19.9	22.4	25.1	25.4	25.7	25.9	25.9	26.1	26.1	26.1	26.1	26.2	26.2	26.7
IV 14000	16.3	19.8	21.8	23.3	25.9	26.2	26.6	26.7	26.7	26.9	26.9	26.9	26.9	27.1	27.1	27.6
IV 12000	17.9	20.9	21.9	24.6	27.2	27.6	27.9	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.4	28.9
IV 10000	19.1	22.3	23.3	25.9	28.7	29.1	29.4	29.6	29.6	29.9	29.9	29.9	29.9	29.9	30.1	30.6
IV 9000	19.9	23.8	24.6	27.6	31.1	31.6	31.9	32.1	32.1	32.4	32.4	32.4	32.4	32.6	32.6	33.1
IV 8000	22.3	26.4	27.6	30.7	34.4	34.9	35.2	35.4	35.4	35.7	35.7	35.7	35.7	35.7	35.9	36.4
IV 7000	23.6	27.4	28.7	32.4	36.0	36.5	36.9	37.2	37.2	37.5	37.5	37.5	37.5	37.5	37.7	38.2
IV 6000	23.9	27.7	29.1	32.7	36.4	36.9	37.2	37.5	37.5	37.9	37.9	37.9	37.9	37.9	38.0	38.5
IV 5000	24.7	28.9	30.4	34.7	38.8	38.9	39.2	39.5	39.5	40.0	40.2	40.2	40.2	40.4	40.4	40.9
IV 4500	26.7	30.9	32.4	36.7	40.4	40.9	41.7	42.0	42.0	42.5	42.7	42.7	42.7	42.9	42.9	43.4
IV 4000	28.6	33.1	34.4	39.8	43.8	44.0	45.0	45.3	45.3	45.8	46.0	46.0	46.0	46.2	46.2	46.7
IV 3500	31.1	35.7	37.2	42.5	46.5	47.3	48.3	48.7	48.7	49.2	49.3	49.3	49.3	49.3	49.5	50.0
IV 3000	33.2	38.7	40.2	45.5	49.5	50.3	51.5	51.8	51.8	52.3	52.5	52.5	52.5	52.7	52.7	53.2
IV 2500	36.4	42.5	44.2	49.8	54.5	55.3	56.8	57.1	57.1	57.6	57.8	57.8	57.8	58.0	58.0	58.5
IV 2000	40.7	47.3	49.0	55.0	59.8	60.6	62.5	63.0	63.0	63.5	63.6	63.6	63.6	63.8	63.8	64.3
IV 1800	41.7	47.8	49.5	55.6	60.5	61.3	63.1	63.6	63.6	64.3	64.5	64.5	64.5	64.6	64.6	65.1
IV 1500	45.2	53.3	55.1	62.1	67.1	67.9	69.8	70.3	70.3	71.1	71.3	71.3	71.3	71.4	71.4	71.9
IV 1200	47.2	56.0	58.0	65.4	70.6	71.4	73.4	73.9	74.3	75.1	75.4	75.4	75.4	75.6	75.6	76.1
IV 1000	48.7	58.5	60.6	69.8	75.6	76.7	79.4	81.1	81.4	82.2	82.6	82.6	82.6	82.7	82.7	83.2
IV 900	46.8	58.8	61.1	70.8	76.6	77.7	80.7	82.4	82.7	83.6	83.9	83.9	83.9	84.1	84.1	84.6
IV 800	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 700	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 600	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 500	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 400	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 300	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 200	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 100	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2
IV 0	49.3	59.3	62.0	73.1	79.1	80.7	83.9	85.7	86.0	86.9	87.4	87.4	87.4	87.5	87.7	88.2

TOTAL NUMBER OF OBSERVATIONS 602

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7857 SCHWABISCH HALL AAF DL

73-82

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000	11.9	14.1	17.0	19.1	21.7	22.0	22.3	22.5	22.8	23.1	23.1	23.1	23.1	23.1	23.3	23.3
IV 18000	12.7	14.9	17.8	20.7	22.5	23.6	23.9	24.1	24.4	24.7	24.7	24.7	24.7	24.7	24.9	24.9
IV 16000	12.7	14.9	17.8	20.7	22.5	23.6	23.9	24.1	24.4	24.7	24.7	24.7	24.7	24.7	24.9	24.9
IV 14000	17.3	15.4	18.3	21.2	23.1	24.1	24.4	24.7	24.9	25.2	25.2	25.2	25.2	25.2	25.5	25.5
IV 12000	14.1	16.2	19.1	22.3	24.1	25.2	25.5	25.7	26.0	26.3	26.3	26.3	26.3	26.3	26.5	26.5
IV 10000	15.9	18.3	21.2	24.4	26.3	27.3	27.6	27.9	28.1	28.4	28.4	28.4	28.4	28.4	28.6	28.6
IV 9000	16.4	19.1	22.0	25.7	27.9	29.2	29.7	30.0	30.2	30.5	30.5	30.5	30.5	30.5	30.8	30.8
IV 8000	18.8	22.0	24.9	28.6	30.8	32.1	32.9	33.2	33.4	33.7	33.7	33.7	33.7	33.7	34.0	34.0
IV 7000	19.9	24.1	27.1	30.8	33.8	34.7	35.5	35.8	36.1	36.3	36.3	36.3	36.3	36.3	36.6	36.6
IV 6000	20.4	24.7	27.6	31.3	34.0	35.3	36.1	36.3	36.6	36.9	36.9	36.9	36.9	36.9	37.1	37.1
IV 5000	21.5	25.7	28.6	32.9	35.5	36.9	37.9	38.2	38.5	38.7	38.7	38.7	38.7	38.7	39.0	39.0
IV 4500	23.3	26.1	31.0	35.3	37.9	39.3	40.3	40.6	40.8	41.1	41.1	41.1	41.1	41.1	41.4	41.4
IV 4000	24.7	27.0	32.9	38.2	40.8	42.2	43.0	43.3	43.6	43.8	43.8	43.8	43.8	43.8	44.1	44.1
IV 3500	26.5	32.1	35.3	40.6	43.2	44.6	46.4	46.9	47.2	47.5	47.5	47.5	47.5	47.5	47.7	47.7
IV 3000	27.9	34.7	38.2	43.5	46.7	48.0	50.1	50.7	50.9	51.2	51.2	51.2	51.2	51.2	51.5	51.5
IV 2500	30.3	36.7	42.2	48.5	51.7	53.3	55.7	56.2	56.5	56.8	56.8	56.8	56.8	56.8	57.0	57.0
IV 2000	31.8	41.1	44.6	52.8	56.0	57.6	59.9	60.5	61.0	61.3	61.3	61.3	61.3	61.3	61.5	61.5
IV 1800	32.7	42.2	46.2	54.6	57.8	59.7	62.3	62.9	63.4	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1500	34.7	45.9	50.4	59.7	63.9	66.0	69.0	69.5	70.0	71.4	71.4	71.4	71.4	71.4	71.6	71.6
IV 1200	35.5	47.2	52.8	63.4	68.7	70.8	74.3	75.1	75.6	77.2	77.2	77.2	77.2	77.2	77.5	77.5
IV 1000	36.1	48.0	54.4	67.1	72.4	74.5	78.2	79.0	80.4	82.0	82.0	82.0	82.0	82.0	82.2	82.2
IV 900	36.6	49.3	55.7	68.4	73.7	75.9	80.4	82.0	83.3	85.1	85.1	85.1	85.1	85.1	85.4	85.4
IV 800	36.9	49.6	56.5	69.8	75.1	77.2	82.2	84.1	86.2	88.1	88.9	88.9	88.9	88.9	89.1	89.1
IV 700	36.9	49.6	56.5	71.3	75.6	77.7	83.0	85.7	88.3	90.5	91.5	91.5	91.5	91.5	91.8	91.8
IV 600	36.9	49.6	56.5	72.8	76.1	78.2	83.6	88.1	90.7	93.6	94.7	94.7	94.7	94.7	95.0	95.0
IV 500	36.9	49.6	56.5	70.8	76.4	78.5	83.8	88.3	91.2	94.7	95.8	95.8	95.8	95.8	96.3	96.3
IV 400	36.9	49.6	56.5	70.8	76.7	78.8	84.1	88.6	91.8	96.3	97.9	97.9	97.9	97.9	98.4	98.4
IV 300	36.9	49.6	56.5	70.8	76.7	78.8	84.1	88.9	92.0	96.8	98.4	98.4	98.4	98.4	98.9	98.9
IV 200	36.9	49.6	56.5	70.8	76.7	78.8	84.1	88.9	92.0	96.8	98.4	98.4	98.4	98.4	98.9	98.9
IV 100	36.9	49.6	56.5	70.8	76.7	78.8	84.1	88.9	92.0	96.8	98.4	98.4	98.4	98.4	98.9	98.9
IV 0	36.9	49.6	56.5	70.8	76.7	78.8	84.1	88.9	92.0	96.8	98.4	98.4	98.4	98.4	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 177

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature DATA NOT AVAILABLE
 - b. Extreme minimum temperature DATA NOT AVAILABLE

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

69-70, 73-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95								.4					.0
90							.8						.1
85					.4	3.4	7.2	2.9	.8				1.3
80					2.4	10.7	22.0	16.1	6.3				5.0
75					6.5	33.0	44.3	40.4	19.8	1.4			12.6
70				4.0	19.0	48.7	57.2	64.3	38.0	6.2			20.5
65			3.0	11.6	38.1	64.0	70.8	77.5	63.7	15.6	.4		29.5
60			8.0	26.3	58.3	83.1	90.5	92.9	84.0	25.7	5.4	.4	40.5
55	.4	1.3	19.0	37.8	78.5	92.7	98.1	97.9	94.9	49.6	15.8	2.2	50.2
50	4.7	9.9	39.2	56.2	89.9	98.5	100.0	100.0	98.3	69.6	29.9	7.4	59.8
45	15.0	22.7	58.6	73.7	98.4	100.0			100.0	87.3	52.7	18.3	70.0
40	28.0	43.3	75.3	90.0	100.0					98.2	70.5	30.1	78.9
35	57.9	69.1	94.3	99.2						100.0	88.8	56.3	89.4
30	80.3	92.7	99.2	100.0							95.0	74.7	95.4
25	92.1	99.6	100.0								100.0	92.1	98.7
20	96.5	100.0										96.9	99.5
15	99.6											100.0	100.0
10	100.0												100.0
MEAN	35.8	39.0	46.8	52.1	61.8	68.7	71.5	71.5	67.3	54.7	45.0	35.9	54.2
S D	8.019	7.160	8.636	9.649	9.113	9.185	9.012	7.783	7.925	8.625	8.795	8.847	15.699
TOTAL OBS.	250	233	263	251	247	261	264	280	237	276	241	229	3036

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
107450 SCHWABISCH HALL DL
STATION STATION NAME

69-71, 73-83
YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						1.1	3.8	.7					.5
70					1.6	9.6	18.9	14.3	3.4				4.2
65					4.9	32.6	48.5	44.6	19.8	1.8			13.2
60			.4	2.4	20.6	58.6	71.6	74.3	47.3	5.4			24.2
55			4.2	13.5	45.7	80.8	93.2	94.6	74.7	15.6	2.9	.4	36.5
50	1.2	.4	14.1	32.3	76.9	94.3	100.0	100.0	94.9	46.4	15.4	2.6	49.3
45	5.5	6.9	31.6	47.4	91.5	100.0			99.2	72.5	32.8	9.2	59.2
40	20.5	21.5	58.2	73.3	98.4				100.0	90.6	56.8	21.8	71.2
35	43.3	46.8	80.6	95.6	100.0					99.6	82.6	43.2	83.4
30	65.7	76.0	94.7	100.0						100.0	92.1	65.5	91.6
25	81.9	93.1	99.2								98.8	80.3	96.3
20	93.3	99.6	100.0								100.0	93.0	98.9
15	98.0	100.0										96.5	99.6
10	99.6											99.6	99.9
5	100.0											100.0	100.0
MEAN	32.3	34.2	41.0	45.2	53.9	60.9	63.7	63.4	58.9	48.6	41.1	32.6	48.0
S D	8.354	6.385	7.366	7.319	6.607	6.738	6.184	5.389	5.966	6.602	7.735	8.801	13.408
TOTAL OBS	254	233	263	251	247	261	264	280	237	276	241	229	3036

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

145	SCHNEEBISCH HALL AAF DL
STATION	STATION NAME

74-57

YEARS

2017

MOORE, J. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

4-27

YEARS

MONTH

PAGE 1 100-110
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NN 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4-63

YEARS

JAN
MONTH

PAGE 1

1962-1742
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

14-23

YEARS

JAN
MONTH

PAGE 1 15CG-2000
NOMIS (1-1-1)

[illegible]

PSYCHROMETRIC SUMMARY

1 745	SCHAEFER HALL AAF DL
STATION	STATION NAME

7-83

YEARS

JAN
MONTH

PAGE 2100-2300
MAY 11 1961

[illegible]

2

1

1

1

ALL

0-26-5 (OL A)

11

USAFETAC

PSYCHROMETRIC SUMMARY

74-83

YEARS

FFH
MONTH

FACE

2620-0210
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

21

1

74-67

YEARS

FFS
MONTH

PAGE 1

15 C-17.2
HOURS (L.S.T.)

USAFETAC FORM 0-2A-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

14-00000

YEARS

FFB
MONTH

PAGE 1 1500-2000
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

155
MONTH

PAGE 1 2170-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74-27

YEARS

55
MONTH

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

311
HOURS (L, S, T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL	
																		Dry Bulb	Wet Bulb	Dew Point
6 / 54																				
10 / 57																				
54 / 55																				
14 / 51																				
51 / 49																				
49 / 47																				
47 / 45																				
45 / 43																				
43 / 41																				
41 / 39																				
39 / 37																				
37 / 35																				
35 / 33																				
33 / 31																				
31 / 29																				
29 / 27																				
27 / 25																				
25 / 23																				
23 / 21																				
21 / 19																				
19 / 17																				
17 / 15																				
15 / 13																				
13 / 11																				
11 / 9																				
9 / 7																				
7 / 5																				
5 / 3																				
3 / 1																				
1 / -1																				
TOTAL	23.6	47.2	18.6	7.0	2.6	.8	.2	.1										2922		2922

Element (X)	Σx'	Σx	X	Σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.	Σx'	Σx	X	Σ _n	No. Obs.	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	23544.559	24166.3	82.7	3.920	2922							672
Wet Bulb	37387.971	95971	32.8	6.77	2922		277.8					672
Dew Point	2721359	86637	29.6	7.227	2922	.5	420.2					672

2

4

2-1-1

YEARS

MONTH

HOURS 11.5

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

— 2 —

YEARS

12 12
MONTN

PAGE : 2
HOURS (I. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

44

MONT

0466

17-2-14-0

HOURS (L. S. T.)

USAFETAC FORM 7-68

CLICAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1. NAME	SCHAEFFER HALL AAF DL
STATION	STATION NAME

‘

YEARS

MAR
MONTH

PAGE 1 100-170
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CAFETAC
AFM/FATHIN/SC/VIOL/AC

PSYCHROMETRIC SUMMARY

745	SCHAEFFER HALL AAF DL
STATION	STATION NAME

"4-":

YEARS

232

MONTH

PAGE 1 100-200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATELOGY BRANCH
CHAFETAC
AL WEATHER SERVICE / SAC

PSYCHROMETRIC SUMMARY

1	45	CON REEL CH HALL BAF 7L
	STATION	STATION NAME

77-55

YEARS

PAGE 21 0-23 0
HOURS (L. S. T.)

[illegible]

CLIMATE CLIMATOLOGY BRANCH
JAFETAC
ATTN: WATHER S. EWING/PAC

PSYCHROMETRIC SUMMARY

745	SCH. RECEPTION HALL AAF 20
STATION	STATION NAME

4-2

YEARS

426 MONTH

DATE: TIME:
HOURS (L. S. T.)

2.

4

YEARS

MONTH

741

4-17
HOURS (L, S, T.)

JSAFETAC
FORM
JAF 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
ATLANTA - SERVICE/NAO

PSYCHROMETRIC SUMMARY

1 745 SCHAEFELICH HALL AAF DL
STATION STATION NAME

74-100

YEARS

1.0:
MONTH

PAGE: 123-1453
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)

USAFETAC

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4

7 -

YEARS

4 2
MONT

F A L S E

62-5-27
HOURS (L. S. T.)

USAFETAC NORM
NA 64 **0-26-5 (OL A)** REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

45	JOHN ALBRIGHT HALL AAF L
STATION	STATION NAME

4-3

YEARS

45
MONY

HOURS 11 - 5 - 7 - 9

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	TOTAL								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

2

5

4-57

YEARS

... MAY
MONTH

DATE: 1-20-76
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
70/ 67																		1	1																
69/ 66																		1	1																
68/ 65																				5															
67/ 64																			5																
66/ 63																			9	5															
65/ 62																		12	12																
64/ 61																		17	17																
63/ 60																		21	21	3															
62/ 59																		27	27	2															
61/ 58																		32	42	4															
60/ 57																		39	39	9															
59/ 56																		46	46	23	2														
58/ 55																		46	46	28	3														
57/ 54																		46	46	35	7														
56/ 53																		46	46	46	9														
55/ 52																		46	46	71	22														
54/ 51																		46	47	76	39														
53/ 50																		46	47	81	44														
52/ 49																		46	47	79	42														
51/ 48																		46	47	55	109														
50/ 47																		46	47	76	72														
49/ 46																		46	47	16	76														
48/ 45																		46	47	1	46														
47/ 44																		46	47	4	41														
46/ 43																		46	47	1	31														
45/ 42																		46	47		5														
44/ 41																		46	47		4														
43/ 40																		46	47		7														
42/ 39																		46	47		6														
41/ 38																		46	47		3														
40/ 37																		46	47																
39/ 36																		46	47																
38/ 35																		46	47																
37/ 34																		46	47																
36/ 33																		46	47																
35/ 32				</																															

USAFETAC
FORM
NO. 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
CONTACT
AIR WEATHER SERVICE /WAC

PSYCHROMETRIC SUMMARY

743	SCHAEFELICH HALL AAF DL
STATION	STATION NAME

YEARS

MAY
MONTH

611
HOURS (L. S. T.)

[illegible]

1745	SCHAEFFER HALL AAF DL
STATION	STATION NAME

YEARS

4 5 6

MONTH

634

614

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	4.51	7.1	5.1	3.1	1.3	1.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	70.5	58	3.5	3.5														
Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	14445129	203271	65.8	19.702	3088	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	931271	172617	55.9	9.560	3088	1.4	93.5	38.5	7.7			744																							
Wet Bulb	7672738	152677	49.4	6.337	3088	2.9	2.7					744																							
Dew Point	5939009	133971	43.4	6.408	3088	37.6						744																							

PSYCHROMETRIC SUMMARY

STATION	STATION NAME

YEARS

MONTH

HOURS L. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METEOR
A. W. BATHEN, CHIEF / MAC

PSYCHROMETRIC SUMMARY

1. 785	DOH. AERILCH HALL AAF OL
STATION	STATION NAME

YEARS

MONTH

Page 10

ALL
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

USAFETAC FORM 100-100

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

DATE: 11-1-73
HOURS (L. S. T.):

[illegible]

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATH & SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
45	SCHALLER HALL AND CL

YEARS

PER MONTH

1-17-2
MOBILE (6-8-7-1)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FROM

USAFETAC

GENERAL CLIMATOLOGY BRANCH
MAFISAC
AIR WEATHER SERVICE/MAF

PSYCHROMETRIC SUMMARY

149	SCHLAEFFEL HALL 147 20
STATION	STATION NAME

YEARS

2.1

PAG 1 100-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MONTH

HOURS 11. 5. 7.

CLIMATE CLIMATOLOGY BRANCH
 WASHINGTON
 AIR MAILING SERVICE / MAC

PSYCHROMETRIC SUMMARY

45 J. A. F. C. HALL AAF 12
STATION STATION NAME

YEARS

MONTH

1 - 1
HOURS 11 5 7

[illegible]

STATION	STATION NAME

STAT 32N

STATION NAME

YEARS

MON*

MOVIES 3 5 7

USAFETAC
FORM
JUL 64
0 26 5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TO: ALL MEMBERS OF THE BOARD
FROM: THE BOARD
SUBJECT: BOARD MEETING / 2000

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
---------	--------------

7-0-1

YEARS

MONTH

MOUSE (15 T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
6/ 71																																			
6/ 71																																			
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STATION _____ YEARS _____ MONTH _____
HOURS _____

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
AFETAC
ATTN: CLIMATE SERVICE/AFAC

PSYCHROMETRIC SUMMARY

THE JOHN ADELSON HALL PAF PL
STATION STATION NAME

YEARS

MONTH

HOURS (L, S, T, I)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)
JUN 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
C-100 ETAC
A. WEATHER SERVICE BRANCH

PSYCHROMETRIC SUMMARY

746	JOE ALBERT HALL 1AF EL
STATION	STATION NAME

YEARS

MONTH

1. 5-24
HOURS 11. 5. 7.1

YEARS

STATION	STATION NAME
147	JOH. GILSON HALL, APT. 2L

MONTH

ALL
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ANNUAL CLIMATE DATA SEARCH
1971-1980
1971-1980

PSYCHROMETRIC SUMMARY

44 - F.B.I. - FALL 1961
STA 24 STATION NAME

YEARS

MONTH

HOURS (L, S, T)

STATION	STATION NAME
1401	CONRAD ST. CH. HALL APT. 10

YEARS

458

MONTH

HOURS (L. S. T.)

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH
ACTS
ALL WEATHER STATION

PSYCHROMETRIC SUMMARY

745	224 0000 CH - ALL AM PL
STATION	STATION NAME

YEARS

MON T

NOV 5 11 51 AM '61

[illegible]

FORM
NO. 64

USAFETAC

CENTRAL CLIMATOLOGY BRANCH
AFETAC
ATTN: ATHEN, S. 220-7740

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
743	CONCRETE ON RAIL PAV. OL

YEARS

MON 7

4. 2.

318

HOURLY RATES

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
77/73					.1	.2	.1											15	15		
77/71					.2	.3												17	17		
77/69			.1	.1	.2	.4	.2	.1										47	50		
77/67		.2	.3	.5	.7													3	3	14	1
77/65		.1	.3	1.0	.8	.1												2	2	13	13
77/63		.3	1.0	.9	.7	.1												7	7	24	6
77/61		.6	1.4	.7	.4													9	9	17	17
77/59	.1	1.2	1.4		.1													12	14	176	40
77/47	.3	2.2	1.4	1.0														147	147	176	67
77/45	1.0	5.3	4.3	1.4	.3	.1												27	763	133	16
77/43	.7	4.3	3.2	.5														122	322	275	148
77/41	.9	6.6	2.3	.2	.1													70	272	274	274
77/39	1.6	6.3	1.3	.2	.3													73	277	274	270
77/37	3.0	1.3	1.2	.1														27	277	276	2
77/35	.5	6.4	.3															24	277	276	285
77/33	2.6	4.0	.5	.1														27	277	277	3.9
77/31	.3	1.8	.2															7	277	182	754
77/29	.7	2.4	.1															11	277	173	173
77/27	2.3	3.7	.3															17	277	173	176
77/25	1.0	.6	.2															43	43	20	24
77/23	.6	.3																73	76	45	75
77/21	.4	.2																16	16	21	55
77/19	.3	.1																1	11	15	28
77/17	.2																	6	6	7	12
77/15																		1	1	3	5
77/13																		2	2	2	5
77/11																					4
77/9																					2
TOTAL	17.75	118.7	8.3	3.1	.9	.1												2875	2875	2875	2875

LOCAL CLIMATE Y - FAIR CH

• 5748

17-5-1954

PSYCHROMETRIC SUMMARY

STATION STATION NAME

YEARS

MONTANA

HOURS (L, S, T.)

[illegible]

AT 11 00 00 / AC

YEARS

MONTH

MOUSE (L.S.T.)

USAFETAC
FORM
NA 44
0 26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

RECALCULATED BY: J. A. CH
 SAFETYAC
 STATION: 000000000000

PSYCHROMETRIC SUMMARY

STATION: 000000000000 STATION NAME: YEARS: MONTH: HOURS: L. S. T.

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point	TOTAL
17																			
16																			
15																			
14																			
13																			
12																			
11																			
10																			
9																			
8																			
7																			
6																			
5																			
4																			
3																			
2																			
1																			
0																			
TOTAL	10.45	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01

Element (X)	Σx^2	Σx	\bar{x}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1244.7	499.2	82.2	11.70	6	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	2.7
Dry Bulb	111.1	11.1	1.85	1.00	6		30.5					2.7
Wet Bulb	723.4	14.3	2.38	7.10	6		30.5					2.7
Dew Point	538.15	18.22	3.04	7.05	6		24.4					2.7

AD-A140 242

SCHWAEBISCH HALL WEST GERMANY LIMITED SURFACE
OBSERVATIONS CLIMATIC SUMMA... (U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..
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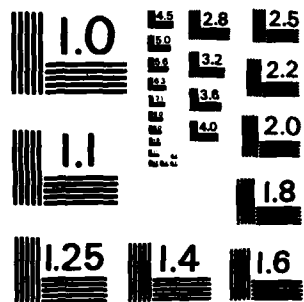
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 210-2300
HOURS (L. S. T.)

[illegible]

2

4

DEC
MONTH

ALL
HOURS (L, S, T.)

USAFETAC FORMS 0-26-5 (OLA) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

4

71-57

YEARS

ALL

PAGE 7

ALL
HOURS 11-5 P.M.

USAFETAC
FORM
JA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 7450 SCHWAEBISCH HALL AAF DL

73-83

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-04	MEAN	30.5	30.5	37.4	39.8	47.9	55.3	57.5	56.7	51.7	43.3	37.7	32.3	43.6											
	S D	9.992	7.694	7.382	6.620	6.727	6.478	5.274	5.575	6.357	6.956	7.694	9.485	12.193											
	TOTAL OBS	612	565	643	616	603	611	625	658	578	642	557	545	7255											
-11	MEAN	31.5	32.9	40.9	46.1	55.1	62.4	64.2	64.2	58.7	47.0	39.7	33.5	48.2											
	S D	9.504	7.151	7.489	7.989	8.155	8.067	7.509	6.408	7.450	7.321	7.952	9.079	14.355											
	TOTAL OBS	630	577	663	627	619	624	632	662	623	648	564	608	7477											
12-14	MEAN	34.5	37.3	45.4	50.4	58.8	65.8	67.9	68.6	64.1	51.7	42.9	35.8	52.2											
	S D	8.274	7.254	8.322	9.399	9.279	9.124	8.636	7.339	8.560	8.280	8.751	8.009	14.945											
	TOTAL OBS	632	573	662	627	618	624	632	663	624	648	566	603	7472											
15-17	MEAN	34.9	38.2	46.6	51.7	60.3	67.0	69.4	69.9	65.3	52.3	42.9	35.9	53.1											
	S D	8.414	7.417	8.478	9.695	9.529	9.603	8.942	7.935	8.829	8.233	8.703	7.996	15.367											
	TOTAL OBS	625	568	649	614	593	615	620	658	578	644	554	568	7286											
18-20	MEAN	33.0	35.3	43.7	49.1	57.9	64.4	67.5	67.1	61.5	48.4	40.3	34.3	50.8											
	S D	8.914	6.444	7.910	8.975	8.763	8.853	8.298	7.340	8.236	7.239	7.841	8.284	14.821											
	TOTAL OBS	561	537	617	588	549	567	592	634	494	624	532	376	6671											
1-23	MEAN	30.9	32.9	42.9	45.3	54.6	60.3	63.5	62.4	58.7	48.0	40.0	33.4	47.4											
	S D	9.075	6.950	7.010	7.426	8.191	6.460	6.261	5.746	6.756	6.034	8.199	9.617	13.453											
	TOTAL OBS	105	102	124	111	106	89	96	107	63	109	104	76	1192											
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
	S D																								
	TOTAL OBS																								
ALL HOURS	MEAN	32.8	34.8	42.8	47.3	55.9	62.9	65.2	65.2	60.2	48.5	40.7	34.4	49.5											
	S D	9.196	7.730	8.540	9.534	9.560	9.391	8.861	8.346	9.258	8.230	8.427	8.838	14.741											
	TOTAL OBS	3165	2922	3358	3103	3088	3130	3197	3382	2960	3318	2877	2774	37383											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 7450 SCHWAEBISCH HALL AAF DL

73-83

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	29.6	29.7	36.3	37.7	45.3	52.3	54.5	54.5	50.1	42.1	36.5	31.1	41.9
S D	9.589	7.376	6.950	6.135	5.886	5.730	4.402	5.059	5.744	6.417	7.173	9.203	11.360
TOTAL OBS	612	565	643	615	603	611	625	658	577	642	557	545	7253
MEAN	30.4	31.5	38.2	41.5	49.2	55.8	57.8	58.2	54.4	44.7	37.8	32.1	44.5
S D	9.044	6.655	6.551	6.288	5.838	5.887	4.862	4.430	5.789	6.243	7.081	8.332	12.026
TOTAL OBS	630	577	663	627	619	624	632	662	623	648	563	608	7476
MEAN	32.7	34.7	40.8	43.6	50.8	56.9	59.0	59.7	56.7	47.4	40.0	33.9	46.6
S D	7.849	6.227	6.694	6.578	6.131	6.007	5.072	4.717	6.135	6.578	7.234	7.197	11.642
TOTAL OBS	632	573	662	627	618	624	631	663	624	648	565	603	7470
MEAN	33.1	35.3	41.5	44.4	51.5	57.5	59.6	59.9	57.3	47.9	40.0	34.0	47.0
S D	7.876	6.070	6.569	6.491	6.060	6.024	5.034	4.599	6.210	6.561	7.323	7.181	11.656
TOTAL OBS	624	568	649	613	593	615	620	658	578	644	554	568	7284
MEAN	31.9	33.4	40.0	43.1	50.5	56.6	59.0	59.2	56.0	45.8	38.4	32.8	46.0
S D	8.411	5.774	6.679	6.330	5.810	5.838	4.797	4.380	6.064	6.283	6.993	7.637	11.725
TOTAL OBS	561	537	617	588	549	567	592	634	494	624	532	376	6671
MEAN	29.9	31.4	40.0	41.1	49.2	54.9	57.6	57.7	55.0	45.8	38.3	31.9	44.1
S D	8.603	6.560	6.299	5.862	5.877	4.909	4.422	4.337	5.718	5.242	7.567	8.949	11.620
TOTAL OBS	105	102	124	111	106	89	96	107	63	109	104	76	1192
MEAN													
S D													
TOTAL OBS													
MEAN													
S D													
TOTAL OBS													
ALL HOURS	31.5	32.8	39.3	42.0	49.4	55.8	58.0	58.3	54.9	45.6	38.5	32.8	45.2
S D	8.682	6.770	6.952	6.761	6.337	6.151	5.149	5.032	6.502	6.698	7.294	8.054	11.629
TOTAL OBS	3164	2922	3358	3181	3088	3130	3196	3302	2959	3315	2875	2776	37396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 7450 SCHWAEBISCH HALL AAF DL

73-83

STATION

STATION NAME

YEARS

HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6-00	MEAN	26.0	27.9	33.9	34.9	42.5	49.7	52.2	52.7	48.8	40.9	34.8	29.0	39.9
	S D	9.817	8.001	7.506	6.689	6.251	5.997	4.766	5.284	5.769	6.338	7.292	9.366	11.471
	TOTAL OBS	612	565	643	615	603	611	625	658	577	642	557	545	7253
-11	MEAN	28.2	28.8	34.8	36.0	43.6	50.5	53.1	53.8	50.9	42.3	35.3	29.8	40.8
	S D	9.474	7.433	7.064	6.959	6.183	6.203	5.052	5.000	5.807	6.172	6.993	8.513	11.553
	TOTAL OBS	630	577	663	627	619	624	632	662	623	648	563	608	7476
1-14	MEAN	29.7	30.6	35.1	35.7	43.4	50.1	52.6	53.2	51.1	43.3	36.5	30.9	41.2
	S D	8.758	6.974	7.316	7.172	6.643	6.344	5.478	5.720	6.326	6.851	7.002	7.595	11.087
	TOTAL OBS	632	573	662	627	618	624	631	663	624	648	565	603	7470
1-17	MEAN	30.2	31.0	35.1	36.0	43.7	50.3	52.5	52.7	51.2	43.6	36.5	31.0	41.3
	S D	8.631	6.530	7.242	7.107	6.574	6.323	5.556	5.492	6.298	6.916	7.300	7.718	10.938
	TOTAL OBS	624	568	649	613	593	615	620	658	578	644	554	568	7284
-20	MEAN	29.9	30.2	35.4	36.2	43.7	50.6	52.8	53.5	51.8	43.2	35.8	30.4	41.5
	S D	8.920	6.556	7.396	6.777	6.324	6.239	5.127	5.205	6.046	6.390	7.128	8.331	11.077
	TOTAL OBS	561	537	617	588	549	567	592	634	494	624	532	376	6671
1-23	MEAN	28.1	28.4	36.4	35.9	44.1	50.6	53.2	54.4	52.0	43.5	36.3	29.3	40.7
	S D	8.922	7.609	7.108	6.577	6.327	5.695	4.789	4.636	5.704	5.426	7.708	9.809	11.502
	TOTAL OBS	105	102	124	111	106	89	96	107	63	109	104	76	1192
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	29.1	29.6	34.9	35.8	43.4	50.3	52.6	53.2	50.8	42.7	35.8	30.2	40.9
	S D	9.163	7.227	7.317	6.942	6.408	6.211	5.198	5.344	6.130	6.877	7.187	8.384	11.254
	TOTAL OBS	3164	2922	3388	3181	3088	3130	3196	3382	2959	3315	2875	2776	37394

RELATIVE HUMIDITY

74-83

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.7	89.4	57.7	93.5	612
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	96.3	79.7	45.1	87.8	630
	12-14	100.0	100.0	100.0	100.0	99.7	96.7	86.7	62.0	27.4	82.8	632
	15-17	100.0	100.0	100.0	100.0	99.8	97.9	88.6	64.6	27.6	83.3	624
	18-20	100.0	100.0	100.0	100.0	99.8	98.4	96.1	84.3	47.4	88.4	561
	21-23	100.0	100.0	100.0	100.0	100.0	99.0	98.1	86.7	54.3	89.7	105
TOTALS		100.0	100.0	100.0	100.0	99.9	98.6	94.1	77.8	43.3	87.1	3164

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

74-83

FEB
MONTH

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

74-83

MAR
MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-04											
	05-09											
	10-14	100.0	100.0	100.0	99.8	99.4	98.6	92.7	78.5	46.2	97.3	643
	15-19	100.0	100.0	100.0	99.7	97.4	92.2	75.4	53.1	22.9	80.0	663
	20-24	100.0	100.0	99.7	97.3	88.1	68.3	44.9	23.7	9.8	66.9	662
	25-29	100.0	100.0	99.7	95.2	80.6	63.0	37.1	20.3	3.6	66.2	649
	30-34	100.0	100.0	100.0	98.7	93.4	79.3	59.0	34.8	17.8	74.0	617
	35-39	100.0	100.0	100.0	100.0	96.9	92.7	74.2	46.3	21.8	78.8	124
	40-44											
	45-49											
	50-54											
	55-59											
	60-64											
	65-69											
	70-74											
	75-79											
	80-84											
	85-89											
	90-94											
	95-99											
	TOTALS	100.0	100.0	99.9	98.5	92.6	82.4	63.9	42.9	21.0	75.9	3358

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
A.P.	00-01											
	02-03											
	04-05	100.0	100.0	100.0	99.8	99.3	95.9	85.4	63.6	33.2	83.3	615
	06-11	100.0	100.0	99.4	95.9	87.2	69.5	49.3	33.0	9.6	69.9	627
	12-14	100.0	100.0	97.1	83.1	65.2	46.4	31.6	16.9	4.6	60.1	627
	15-17	100.0	99.5	93.1	78.3	61.2	42.7	28.2	15.7	5.5	58.4	613
	18-20	100.0	99.8	97.6	88.9	74.5	54.8	38.8	22.1	8.2	63.9	598
	21-23	100.0	100.0	100.0	98.2	86.5	72.1	55.9	36.0	11.7	71.4	111
TOTALS		100.0	99.9	97.9	90.7	79.0	63.6	48.2	31.2	12.1	67.8	3181

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

PERIOD

44 Y
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	0-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.3	93.5	82.9	59.5	31.3	82.3	603
	09-11	100.0	100.0	100.0	96.3	81.7	62.2	43.1	25.2	9.9	67.3	619
	12-14	100.0	100.0	97.9	85.0	63.6	41.1	28.8	16.2	7.3	59.5	618
	15-17	100.0	100.0	96.1	79.9	57.2	37.3	25.6	13.8	7.9	57.3	593
	18-20	100.0	100.0	99.3	98.7	69.8	47.4	33.2	17.1	7.3	61.7	549
	21-23	100.0	100.0	100.0	99.1	85.8	65.1	47.2	29.2	16.0	69.6	106
TOTALS		100.0	100.0	98.9	91.5	76.2	57.8	43.5	26.8	13.3	66.3	3088

USAFETAC FORM 0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

RELATIVE HUMIDITY

107450 SCHAEBLICH HALL AAF DL
STATION STATION NAME

73-82
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-01											
	01-02											
	02-03											
	03-04											
	04-05											
	05-06	100.0	100.0	100.0	100.0	99.7	96.4	87.6	55.8	25.7	82.2	611
	06-07	100.0	100.0	100.0	98.1	86.2	63.9	40.2	18.1	5.9	66.8	624
	07-08	100.0	100.0	99.4	98.3	66.7	40.9	24.7	12.3	3.0	59.0	624
	08-09	100.0	100.0	97.9	83.6	61.0	38.2	23.6	13.3	3.9	57.6	615
	09-10	100.0	100.0	99.1	92.2	72.5	51.5	36.0	18.9	5.6	63.1	567
	10-11	100.0	100.0	100.0	100.0	93.3	71.9	53.9	28.1	9.0	71.7	89
	11-12											
	12-13											
	13-14											
	14-15											
	15-16											
	16-17											
	17-18											
	18-19											
	19-20											
	20-21											
	21-22											
	22-23											
	23-24											
TOTALS		100.0	100.0	99.4	93.7	79.9	60.5	44.3	24.4	8.9	66.7	3130

RELATIVE HUMIDITY

73-82

JUL
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUL	7-9											
	7-10											
	7-11	100.0	100.0	100.0	100.0	98.7	95.4	87.7	60.5	29.4	93.0	625
	7-12	100.0	99.8	99.2	96.8	90.7	68.0	44.5	25.5	17.1	69.0	632
	7-13	100.0	99.8	97.5	91.6	68.7	43.6	26.5	15.4	6.2	60.4	631
	7-14	100.0	99.5	96.8	94.5	61.5	36.1	24.8	13.9	5.3	57.7	620
	7-15	100.0	100.0	97.6	91.2	73.5	46.6	29.1	15.4	6.1	61.6	592
	7-16	100.0	100.0	100.0	99.0	94.8	75.0	45.8	19.8	9.4	70.2	96
	7-17											
	7-18											
	7-19											
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	7-55											

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

AUG
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
A 6	J0-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	93.8	72.2	40.3	86.7	658
	09-11	100.0	100.0	100.0	98.8	91.8	69.8	50.8	26.1	9.5	70.5	662
	12-14	100.0	100.0	98.9	92.6	66.4	43.0	26.1	12.7	3.9	59.9	663
	15-17	100.0	100.0	97.3	83.4	58.1	38.3	23.9	10.3	2.9	56.8	658
	18-20	100.0	100.0	99.1	91.8	75.7	54.7	35.3	18.1	7.3	64.0	634
	21-23	100.0	100.0	100.0	100.0	99.1	88.8	62.6	31.8	15.9	75.9	107
TOTALS		100.0	100.0	99.2	94.4	81.9	65.5	48.8	28.5	13.3	69.0	3382

USAPETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

PERIOD:

SEP
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.7	98.4	96.7	85.6	58.9	90.1	577
	09-11	100.0	100.0	100.0	99.8	98.2	86.5	70.0	38.8	16.1	76.5	623
	12-14	100.0	100.0	100.0	99.2	80.4	56.3	32.5	14.1	5.1	64.3	624
	15-17	100.0	100.0	100.0	97.2	75.3	50.3	26.5	11.6	3.8	61.9	578
	18-20	100.0	100.0	100.0	99.2	93.7	76.1	54.5	29.6	10.7	71.9	494
	21-23	100.0	100.0	100.0	100.0	100.0	95.2	82.5	38.1	15.9	78.9	63
TOTALS		100.0	100.0	100.0	99.2	91.2	77.1	60.5	36.3	18.4	73.9	2954

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

OCT
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	03-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.5	86.9	65.9	91.2	642
	09-11	100.0	100.0	100.0	100.0	99.8	96.8	86.4	65.0	37.5	84.1	648
	12-14	100.0	100.0	100.0	99.4	92.9	81.3	63.0	37.0	16.4	74.4	648
	15-17	100.0	100.0	100.0	99.7	92.4	79.0	61.8	35.6	16.1	73.8	644
	18-20	100.0	100.0	100.0	100.0	99.4	95.5	85.6	60.9	33.5	82.7	624
	21-23	100.0	100.0	100.0	100.0	99.1	98.2	91.7	65.1	38.5	84.9	109
TOTALS		100.0	100.0	100.0	99.9	97.3	91.8	81.0	58.4	34.7	81.9	3315

0-87-5 (OL A)

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
N Y	0-02											
	3-05											
	06-08	100.0	100.0	100.0	100.0	99.3	97.8	95.3	87.4	60.5	89.8	557
	09-11	100.0	100.0	100.0	100.0	99.5	96.8	89.2	71.2	40.0	84.8	563
	12-14	100.0	100.0	99.6	99.3	97.9	91.7	72.6	49.9	25.7	79.3	565
	15-17	100.0	100.0	100.0	99.5	97.1	90.6	76.5	50.2	24.2	79.3	554
	18-20	100.0	100.0	99.8	99.8	99.2	96.6	89.1	67.1	39.3	84.6	532
	21-23	100.0	100.0	100.0	100.0	100.0	98.1	96.2	76.0	47.1	87.1	104
TOTALS		100.0	100.0	99.9	99.8	98.8	95.3	86.5	67.0	39.5	84.2	2875

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

PERIOD

DEC
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	0-02											
	3-05											
	06-08	100.0	100.0	100.0	100.0	99.3	97.6	93.8	78.0	53.8	88.4	545
	09-11	100.0	100.0	100.0	99.8	99.5	98.5	91.6	75.3	45.6	86.7	608
	12-14	100.0	100.0	100.0	99.7	98.3	95.7	85.2	62.2	31.3	82.9	603
	15-17	100.0	100.0	100.0	99.6	97.9	95.2	86.4	64.6	32.4	82.9	568
	18-20	100.0	100.0	100.0	99.5	97.3	96.3	90.4	78.5	48.4	86.3	376
	21-23	100.0	100.0	100.0	100.0	94.7	93.4	86.8	75.0	47.4	85.8	76
TOTALS		100.0	100.0	100.0	99.8	97.8	96.1	89.0	72.3	43.2	85.5	2776

PC000000

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 7452 SCHAEBISCH HALL AAF DL 73-83 ALL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	98.6	94.1	77.8	43.3	87.1	3164
FEB		100.0	100.0	99.9	99.3	97.3	92.6	81.6	64.3	36.2	82.9	2922
MAR		100.0	100.0	99.9	98.5	92.6	82.4	63.9	42.9	21.0	75.9	3358
APR		100.0	99.9	97.9	90.7	79.0	63.6	48.2	31.2	12.1	67.8	3181
MAY		100.0	100.0	98.9	91.5	76.2	57.8	43.5	26.8	13.3	66.3	3088
JUN		100.0	100.0	99.4	93.7	79.9	60.5	44.3	24.4	8.9	66.7	3130
JUL		100.0	99.9	98.5	93.9	81.2	60.8	43.0	25.1	11.1	67.0	3196
AUG		100.0	100.0	99.2	94.4	81.9	65.5	48.8	28.5	13.3	69.0	3382
SEP		100.0	100.0	100.0	99.2	91.2	77.1	60.5	36.3	18.4	73.9	2959
OCT		100.0	100.0	100.0	99.9	97.3	91.8	81.0	58.4	34.7	81.9	3315
NOV		100.0	100.0	99.9	99.8	98.8	95.3	86.5	67.0	39.5	84.2	2875
DEC		100.0	100.0	100.0	99.8	97.8	96.1	89.0	72.3	43.2	85.5	2776
TOTALS		100.0	100.0	99.5	96.7	89.4	78.5	65.4	46.3	24.6	75.7	37346

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

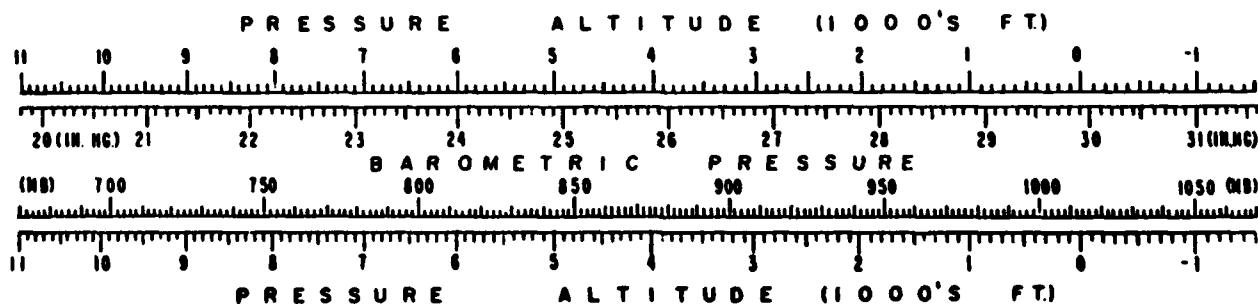
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

107450 SCHWAEBISCH HALL AAF DL

73-83

STATION

STATION NAME

YEARS

HRS L.S.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
03	MEAN												
	S D												
	TOTAL OBS												
	MEAN												
	S D												
	TOTAL OBS												
1	MEAN	28.63528	28.58828	28.52528	28.56028	28.57028	28.64128	28.63728	28.67328	28.69028	28.60828	28.65128	28.612
	S D	.299	.328	.260	.192	.198	.142	.130	.134	.179	.268	.279	.244
	TOTAL OBS	205	190	212	207	204	203	208	220	192	209	186	2410
10	MEAN	28.65128	28.60228	28.54828	28.57228	28.57828	28.64728	28.64228	28.68128	28.70728	28.62328	28.67528	28.625
	S D	.295	.332	.259	.191	.198	.141	.128	.133	.173	.274	.280	.247
	TOTAL OBS	210	192	221	209	206	208	211	221	208	211	188	2488
17	MEAN	28.63728	28.59528	28.53328	28.55828	28.57028	28.63728	28.63228	28.66728	28.69228	28.60928	28.66328	28.612
	S D	.295	.331	.258	.192	.192	.139	.126	.130	.169	.274	.274	.246
	TOTAL OBS	211	191	221	209	206	208	211	221	208	211	189	2488
17	MEAN	28.62628	28.58128	28.51428	28.52928	28.56128	28.62128	28.61628	28.65328	28.66628	28.60128	28.66228	28.597
	S D	.296	.319	.255	.189	.182	.139	.125	.125	.173	.269	.268	.243
	TOTAL OBS	211	191	218	204	197	206	205	221	193	209	189	2436
17	MEAN	28.63628	28.61728	28.51928	28.53428	28.56428	28.61728	28.61028	28.65228	28.65928	28.61228	28.67028	28.603
	S D	.307	.312	.258	.188	.178	.142	.124	.127	.171	.270	.266	.238
	TOTAL OBS	184	178	206	200	188	193	201	218	169	201	177	2238
2	MEAN												
	S D												
	TOTAL OBS												
ALL HOURS	MEAN	28.63728	28.59628	28.52828	28.55128	28.56928	28.63328	28.62628	28.66528	28.68428	28.61028	28.64428	28.610
	S D	.297	.324	.258	.191	.189	.141	.127	.130	.174	.271	.273	.244
	TOTAL OBS	1021	942	1078	1029	1001	1018	1036	1098	970	1091	929	12060

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